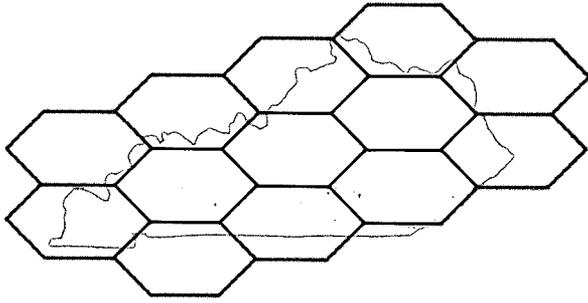


CASE

NUMBER:

99.080



Mountaineer Cellular
General Partnership

P. O. Box 1148 • Hindman, Kentucky 41822
Phone: (606) 785-9550

June 10, 1999

Helen C. Helton, Executive Director
Kentucky Public Service Commission
P.O. Box 615
Frankfort, KY 40601

RECEIVED
JUN 14 1999
PUBLIC SERVICE
COMMISSION

Re: Case No. 99-080

Dear Ms. Helton:

Per the Commission's order in case 99-080 dated 09 June 1999, enclosed is a copy of the FAA and KAZC final determinations in the above referenced case.

This information should complete the case file. If you have further questions, please contact me at (606)785-9550.

Sincerely,

William Grigsby



January 28, 1999

APPROVAL OF APPLICATION

APPLICANT:
MOUNTAINEER CELLULAR GENERAL PA
LEROY ADAM, CONSULTING ENGINEER
C/O LUKAS MCGOWAN NACE & GUTIERREZ
1111 NINETEENTH STREET N W SUITE 1200
WASHINGTON, DC 20036

SUBJECT: AS-119-JKL-98-271

STRUCTURE: Antenna Tower
LOCATION: Bethany, KY
COORDINATES: 37°39'03.0"N / 83°26'20.6"W
HEIGHT: 320' AGL/1,720' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct (320' AGL/1,720' AMSL) Antenna Tower near Bethany, KY 37°39'03"N, 83°26'21"W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium intensity white strobe lights are required in accordance with 602 KAR 50:100.

Ronald Bland, Administrator

Federal Aviation Administration
 Southern Region
 Air Traffic Division, ASO-520
 P. O. Box 20636
 Atlanta, GA 30320

ACKNOWLEDGEMENT OF NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION

CITY	STATE	LATITUDE/LONGITUDE		MSL	AGL	AMSL
BETHANY	KY	37-39-03.31	083-26-20.25	1400	320	1720

MOUNTAINEER CELLULAR, LLC
 LUKAS, NACE, GUTIERREZ, & SACHS
 1111 19TH STREET, NW, SUITE 1200
 WASHINGTON, DC 20036

AERONAUTICAL STUDY
 No: 98-ASO-7154-OE

Type Structure: ANTENNA TOWER 880-890 MHZ/ 500 WATTS

The Federal Aviation Administration hereby acknowledges receipt of notice dated 11/09/98 concerning the proposed construction or alteration contained herein.

A study has been conducted under the provisions of Part 77 of the Federal Aviation Regulations to determine whether the proposed construction would be an obstruction to air navigation, whether it should be marked and lighted to enhance safety in air navigation, and whether supplemental notice of start and completion of construction is required to permit timely charting and notification to airmen. The findings of that study are as follows:

The proposed construction would not exceed FAA obstruction standards and would not be a hazard to air navigation. However, the following applies to the construction proposed:

The structure should be obstruction marked and lighted per FAA Advisory Circular AC 70/7460-1J, 'Obstruction Marking and Lighting. CHAPTERS: -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -13. Medium intensity white lights.

Supplemental notice is required ~~at least 10 days before the start of construction and~~ ^{within five days after construction reaches its greatest height (use the enclosed FAA form).}

This determination expires on 05/19/99 unless application is made, (if subject to the licensing authority of the Federal Communications Commission), to the FCC before that date, or it is otherwise extended, revised or terminated.

If the structure is subject to the licensing authority of the FCC, a copy of this acknowledgement will be sent to that agency.

NOTICE IS REQUIRED ANYTIME THE PROJECT IS ABANDONED OR THE PROPOSAL IS MODIFIED

SIGNED *Mary Z. Mc Burney* Specialist, Airspace Branch.
 Mary Z. Mc Burney (404) 305-5583. 5583
 ISSUED IN: College Park, Georgia ON 11/17/98

KENTUCKY TRANSPORTATION CABINET
OFFICE OF AERONAUTICS
421 ANN STREET
FRANKFORT, KENTUCKY 40622

**Application for
Permit to Construct
or
Alter a Structure**

—Instructions on Reverse Side of Form—

DO NOT FILL IN
AERONAUTICAL STUDY NO. AS-119-JKL-98-271

APPLICANT - NAME & ADDRESS

Mountaineer Cellular, LLC
c/o Lukas, Nace, Gutierrez & Sachs
1111 19th Street, NW, Suite 1200
Washington, DC 20036

TELEPHONE NO.

(202) 828-9489

TYPE OF STRUCTURE

1. CHECK ONE

New Construction

Alteration

2. CHECK ONE

Permanent

Temporary

Length of time _____ months.

3. NATURE AND COMPLETE DESCRIPTION OF STRUCTURE

The proponent, Mountaineer Cellular, LLC, is the licensee for Cellular Block B service in Kentucky RSA 10-Powell. The transmitting system proposed at this site is Cellular Band B (880-890 MHz) operating at a maximum ERP not to exceed 500 Watts. The proposed antenna structure includes a 300' self-supporting tower with a 20' top-mounted cellular antenna system.

4. County in which construction will take place Wolfe (on Wolfe and Breathitt Co. line)

RECEIVED
AERONAUTICS

LOCATION OF STRUCTURE -submit a map-

NOV 4 1998

5. COORDINATES (To nearest second)

LATITUDE

LONGITUDE

37° 39' 03.0" N 83° 26' 20.6" W

6. NEAREST CITY OR TOWN, & STATE

Bethany, KY

(a) DISTANCE TO 6.

1.85 Miles

(b) DIRECTION TO 6.

west

7. NAME OF NEAREST PUBLIC AIRPORT WITHIN KY. BOUNDARIES

Julian Carroll (JKL)

8. DISTANCE & DIRECTION TO NEAREST POINT OF NEAREST RUNWAY

7.8 miles at N 120.6° E

9. HEIGHT & ELEVATION (Complete A, B & C to nearest foot)

10. WORK SCHEDULE DATES

A. ELEVATION OF SITE ABOVE MEAN SEA LEVEL

1400

A. WILL START

3/15/99

B. HEIGHT OF STRUCTURE INCLUDING APPURTENANCES & LIGHTING (if any) ABOVE GROUND, OR WATER IF SO SITUATED

320

B. WILL COMPLETE

3/30/99

C. OVERALL HEIGHT ABOVE MEAN SEA LEVEL (A + B)

1720

D. IF APPLICATION IS FOR CONSTRUCTION/ALTERATION OF AN OVERHEAD TRANSMISSION LINE OR STATIC WIRE WITH SPAN LENGTH 1000 FEET OR MORE, See Appendix E

11. CHECK IF COMPLETED STRUCTURE WILL BE

YES

NO

A. MARKED FOR THE PROTECTION OF AIR NAVIGATION

X

B. PAINTED AS SPECIFIED IN THE REGULATIONS OF THE COMMISSION RELATED TO OBSTRUCTION MARKING

X

C. LIGHTED AS SPECIFIED IN THE REGULATIONS OF THE COMMISSION RELATED TO OBSTRUCTION MARKING

X

12. HAS "NOTICE OF CONSTRUCTION OR ALTERATION" (Form 7450-1) BEEN FILED WITH FEDERAL AVIATION ADMINISTRATION FOR AIRSPACE CLEARANCE? IF SO, WHEN FILED? Yes; 11/3/98

13. CERTIFICATION — I hereby certify that all the above statements made by me are true, complete, and correct to the best of my knowledge and belief.

Letroy A. Adam

By Letroy A. (Art) Adam, Consulting Engineer

Date 11/3/98

Signature & Title of Individual Authorized to Make this Certification

PENALTY — See Reverse Side of this Form

COMMISSION ACTION

APPROVED

DISAPPROVED

CHAIRMAN, KAZC OR ADMINISTRATOR, KAZC

Ronald S. Blanch

Date

1/27/99

INDEX FOR CASE: 99-080

MOUNTAINEER CELLULAR L.L.C. DBA KENTUCKY CELLULAR

Construct

CELL SITE - 10024 KY HWY 15 NORTH - BREATHITT

IN THE MATTER OF THE APPLICATION OF MOUNTAINEER CELLULAR
LIMITED LIABILITY COMPANY FOR THE ISSUANCE OF A CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY TO CONSTRUCT A TOWER

SEQ NBR	ENTRY DATE	REMARKS
M0001	03/12/19	WILLIAM GRIGSBY MOUNTAINEER CELLULAR-NOTICE OF INTENT TO FILE
0001	04/05/99	Application.
0002	04/06/99	Acknowledgement letter.
0003	04/12/99	No def. letter
0004	06/09/99	Final Order granting certificate of public convenience and necessity entered.



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

CERTIFICATE OF SERVICE

RE: Case No. 99-080
MOUNTAINEER CELLULAR L.L.C. DBA KENTUCKY CELLULAR

I, Stephanie Bell, Secretary of the Public Service Commission, hereby certify that the enclosed attested copy of the Commission's Order in the above case was served upon the following by U.S. Mail on June 9, 1999.

Parties of Record:

William K. Grigsby
Mountaineer Cellular
General Partnership
P. O. Box 1148
Hindman, KY. 41822

Stephan Bell
Secretary of the Commission

SB/sh
Enclosure

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF MOUNTAINEER CELLULAR)
LIMITED LIABILITY COMPANY FOR THE ISSUANCE) CASE NO.
OF A CERTIFICATE OF PUBLIC CONVENIENCE AND) 99-080
NECESSITY TO CONSTRUCT A TOWER)

O R D E R

On April 5, 1999, Mountaineer Cellular Limited Liability Company ("Mountaineer Cellular") filed an application seeking a Certificate of Public Convenience and Necessity to build and operate a cellular radio telecommunications system for Rural Service Area No. 10 ("RSA No. 10"). RSA No. 10 includes Breathitt, Estill, Jackson, Knott, Lee, Letcher, Owsley, Perry, Powell, and Wolfe counties. Mountaineer Cellular has requested authorization to construct a cell site in Breathitt County. Mountaineer Cellular was previously granted authority to operate a cellular radio telecommunications system in RSA No. 10 in Case No. 91-002.¹

The proposed cell site consists of a 300-foot or less self-supporting antenna tower to be located 2.1 miles northwest of the intersection of Kentucky Highway 15 and 205

¹ Case No. 91-002, The Application of Mountaineer Cellular General Partnership for the Issuance of Certificate of Public Convenience and Necessity to Provide Domestic Public Cellular Radio Telecommunications Service to the Public and for Establishment of Initial Rates.

North in Breathitt County, Kentucky ("the Bethany cell site"). The coordinates for the Bethany cell site are North Latitude 37° 39' 03" by West Longitude 83° 26' 20.6".

Mountaineer Cellular has provided information regarding the structure of the tower, safety measures, and antenna design criteria for the Bethany cell site. Based upon the application, the design of the tower and foundation conforms to applicable nationally recognized building standards, and a Registered Professional Engineer has certified the plans.

Because the affected area is not within the jurisdiction of a Planning Commission, pursuant to 807 KAR 5:063, Section 1, Mountaineer Cellular notified the Breathitt County Judge/Executive of the pending construction. Mountaineer Cellular has filed applications with the Federal Aviation Administration ("FAA") and the Kentucky Airport Zoning Commission ("KAZC") seeking approval for the construction and operation of the Bethany cell site. Both applications are pending.

Mountaineer Cellular has filed notices verifying that each person who owns property within 500 feet of the Bethany cell site has been notified of the pending construction. The notice solicited any comments and informed the property owners of their right to intervene. In addition, notices were published in a newspaper of general circulation in Breathitt County and were posted in a visible location on the proposed site and on the nearest public road. The posted notices remained posted for at least two weeks after Mountaineer Cellular's application was filed. To date, no intervention requests have been received.

Pursuant to KRS 278.280, the Commission is required to determine proper practices to be observed when it finds, upon complaint or on its own motion, that the

facilities of any utility subject to its jurisdiction are unreasonable, unsafe, improper, or insufficient. To assist the Commission in its efforts to comply with this mandate, Mountaineer Cellular should notify the Commission if it does not use this antenna tower to provide cellular radio telecommunications services in the manner set out in its application and this Order. Upon receipt of such notice, the Commission may, on its own motion, institute proceedings to consider the proper practices, including removal of the unused antenna tower, which should be observed by Mountaineer Cellular.

The Commission, having considered the evidence of record and being otherwise sufficiently advised, finds that Mountaineer Cellular should be granted a Certificate of Public Convenience and Necessity to construct and operate the Bethany cell site in RSA No. 10 under its previously approved tariff.

IT IS THEREFORE ORDERED that:

1. Mountaineer Cellular is granted a Certificate of Public Convenience and Necessity to construct and operate the Bethany cell site.
2. Mountaineer Cellular shall file a copy of the final decisions regarding the pending FAA and KAZC applications for this cell site construction within 10 days of receiving these decisions.
3. Mountaineer Cellular shall immediately notify the Commission in writing, if, after the antenna tower is built and utility service is commenced, the tower is not used for a period of 3 months in the manner authorized by this Order.

Done at Frankfort, Kentucky, this 9th day of June, 1999.

By the Commission

ATTEST:


Executive Director



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

April 12, 1999

William K. Grigsby
Mountaineer Cellular
General Partnership
P. O. Box 1148
Hindman, KY. 41822

RE: Case No. 99-080
MOUNTAINEER CELLULAR L.L.C. DBA KENTUCKY CELLULAR

The Commission staff has reviewed your application in the above case and finds that it meets the minimum filing requirements. Enclosed please find a stamped filed copy of the first page of your filing. This case has been docketed and will be processed as expeditiously as possible.

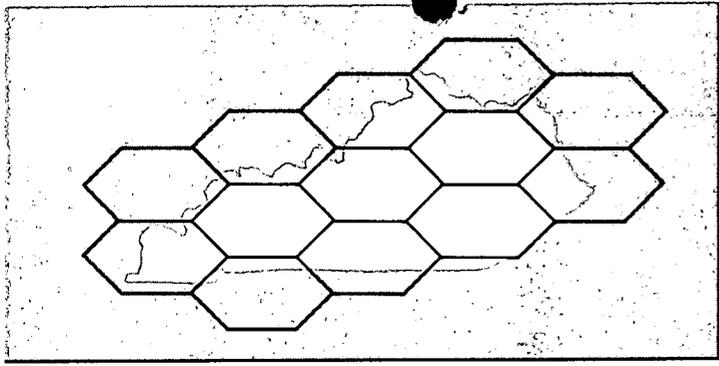
If you need further assistance, please contact my staff at 502/564-3940.

Sincerely,

Stephanie Bell
Secretary of the Commission

SB/sa
Enclosure

Dolson
Eng



**Mountaineer Cellular
General Partnership**

P. O. Box 1148 • Hindman, Kentucky 41822
Phone: (606) 785-9550

FILED

APR 05 1999

**PUBLIC SERVICE
COMMISSION**

RECEIVED
APR 05 1999
PUBLIC SERVICE
COMMISSION

April 2, 1999

Ms. Helen Helton
Executive Director
Kentucky Public Service Commission
P.O. Box 615
Frankfort, KY 40602

RE: Application for the Issuance of a Certificate of
Public Convenience and Necessity to construct
a tower. Case No. 99-080

Dear Ms. Helton:

Enclosed are the original and 5 copies of the Application for the Issuance of a Certificate of Public
Convenience and Necessity to construct a tower at Bethany, KY. Case No. 99-080

If you have any questions please call at (606) 785-9550.

Sincerely,

William K. Grigsby

WKG/lw

Enclosures



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

April 6, 1999

William K. Grigsby
Mountaineer Cellular
General Partnership
P.O. Box 1148
Hindman, KY. 41822

RE: Case No. 99-080
MOUNTAINEER CELLULAR L.L.C. DBA KENTUCKY CELLULAR
(Construct) CELL SITE - 10024 KY HWY 15 NORTH - BREATHITT

This letter is to acknowledge receipt of initial application in the above case. The application was date-stamped received April 5, 1999 and has been assigned Case No. 99-080. In all future correspondence or filings in connection with this case, please reference the above case number.

If you need further assistance, please contact my staff at 502/564-3940.

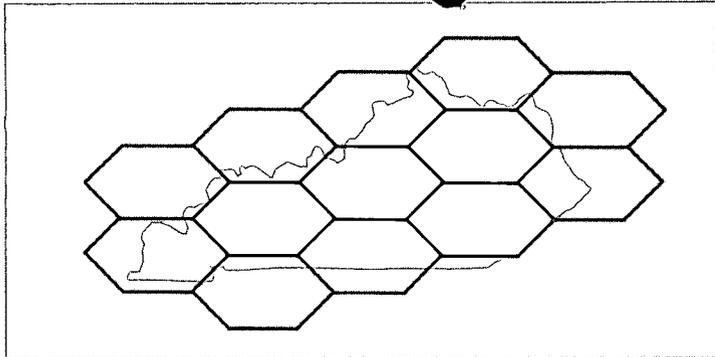
Sincerely,

A handwritten signature in cursive script that reads "Stephanie Bell".

Stephanie Bell
Secretary of the Commission

SB/jc

Dolson
Eng



**Mountaineer Cellular
General Partnership**

P. O. Box 1148 • Hindman, Kentucky 41822
Phone: (606) 785-9550

FILED

APR 05 1999

**PUBLIC SERVICE
COMMISSION**

RECEIVED
APR 05 1999
PUBLIC SERVICE
COMMISSION

April 2, 1999

Ms. Helen Helton
Executive Director
Kentucky Public Service Commission
P.O. Box 615
Frankfort, KY 40602

RE: Application for the Issuance of a Certificate of
Public Convenience and Necessity to construct
a tower. Case No. 99-080

Dear Ms. Helton:

Enclosed are the original and 5 copies of the Application for the Issuance of a Certificate of Public
Convenience and Necessity to construct a tower at Bethany, KY. Case No. 99-080

If you have any questions please call at (606) 785-9550.

Sincerely,

William K. Grigsby

WKG/lw

Enclosures

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
APR 05 1999
PUBLIC SERVICE
COMMISSION

In the matter of:

THE APPLICATION OF MOUNTAINEER CELLULAR)
LIMITED LIABILITY COMPANY FOR THE ISSUANCE)
OF A CERTIFICATE OF PUBLIC CONVENIENCE AND) CASE NO 99-080
NECESSITY TO CONSTRUCT A TOWER)

In case number 91-002 Mountaineer Cellular Limited Liability Company was granted a Certificate of Public Convenience and Necessity by the Kentucky Public Service Commission to construct and operate a cellular radio telecommunications system for RSA 10.

In an effort to improve service in Wolfe and Breathitt Counties , Mountaineer Cellular Limited Liability Company Pursuant to KRS 278.020 Subsection 1 and 807 KAR 5:001 Section 9 is seeking the Commission's approval to construct a tower near Bethany, Kentucky. The proposed tower will be a 300-foot self-supporting tower located 2.1 miles Northwest of the intersection of KY Highway 15 and 205 North in Breathitt County. The proposed tower site is located at 10024, KY Highway 15 North. A map showing the exact location is enclosed as Exhibit A. Detailed directions to the site are enclosed as Exhibit B.

Mountaineer Cellular's Limited Liability Company Agreement was previously filed with the Commission as Exhibit P in Case 99-064.

FAA and Kentucky Airport Zoning Commission approvals have been applied for but are still pending. Final approvals will be submitted to the commission at a later date. These applications are enclosed as Exhibit C.

No Federal Communications Commission approval is required prior to construction of this facility. Once service is established from this tower we must immediately notify the Federal Communications Commission of its operation. Prior approval is needed only if the proposed facility increases the size of the cellular geographic service area. This cell site will not expand the cellular geographic service area.

A geologist was employed to determine soil and rock types and to ascertain the distance to solid bedrock. The geotechnical report is enclosed as Exhibit D.

A copy of the tower design information is enclosed as Exhibit E. The proposed tower has been designed by engineers at Universal Tower Inc. of Henderson, KY. and will be constructed under their supervision. Their qualifications are evidenced in Exhibit E by the seal and signature of the registered professional engineer responsible for this project.

The tower will be erected by A&D Communication of Cattlesburg, Kentucky. A&D has vast experience in the erection of communications towers.

As shown in Exhibit E our tower is designed to withstand 70 mile per hour winds and ½ inch radial ice.

Enclosed, as Exhibit F is a survey of the proposed tower site signed by a Kentucky registered professional engineer. There is one structure within 500 feet of the proposed tower as indicated in Exhibit F. The structure belongs to Morgan County Industries and is being built to house an FM Radio Transmitter. Exhibit G is a list of all property owners within 500' of the proposed tower.

Exhibit H is a vertical tower sketch showing the overall height of the proposed tower and the placement of all antennas. This information is also contained in the sealed drawings in Exhibit E.

All affected property owners were notified by certified mail of Mountaineer Cellular's proposal and informed of their right to intervene. They were given the docket number under which this application is filed. Enclosed, as Exhibit I is a copy of that notification.

Breathitt Co. has no formal local planning unit. In absence of this unit the Breathitt County Judge Executive's office was notified of Mountaineer Cellular Limited Liability Company's proposal and informed of their right to intervene. They were given the docket number under which this application is filed. Enclosed as Exhibit J is a copy of that notification.

Exhibit K shows the annual costs of operating the proposed tower.

A sign 24"X48" which conforms with the Public Service Commissions guidelines issued on September 3, 1997, was posted on the site on March 17, 1999 and will remain posted for at least two weeks after filing of this application as specified by the PSC guidelines. A second such sign was posted at the nearest public road, KY 15, and will remain posted two weeks after this filing.

Enclosed, as Exhibit L is a copy of Mountaineer Cellular's deeds to the site.

Notice of the location of the proposed construction was published on April 1, 1999 in "The Jackson Times." The Jackson Times is the newspaper with the largest circulation in Breathitt County.

Exhibit N is a copy of that notice.

The proposed construction site is on a very rugged mountaintop some 1500 feet from the nearest home. Prior to construction the site was wooded.

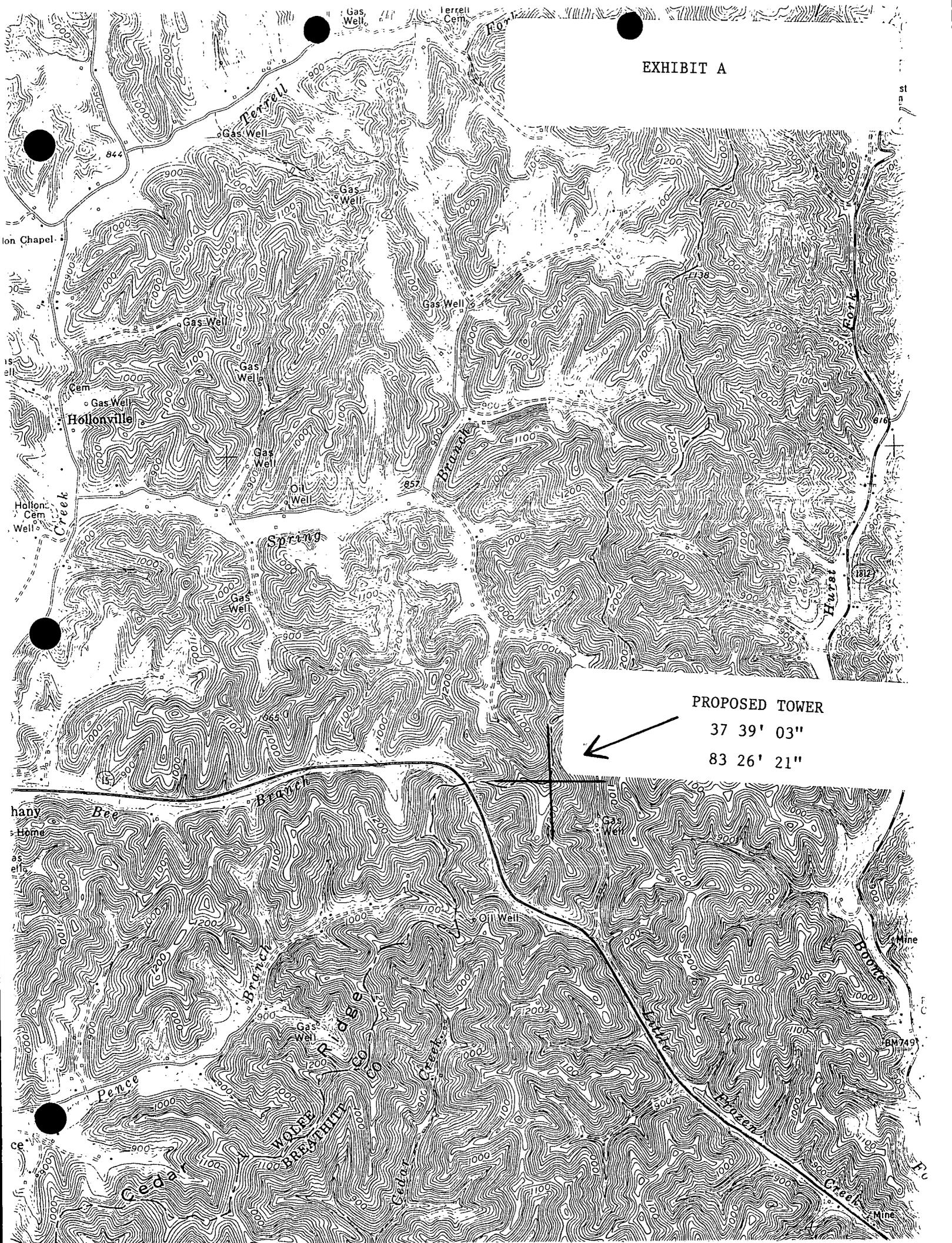
Due to the steep hillside surrounding the proposed site, the property in close proximity is unsuitable for any type of development. Mountaineer Cellular's operation will not effect the use of nearby land nor its value. No more suitable site exists in the area. A copy of the search area map is enclosed as Exhibit M. No other tower capable of supporting Mountaineer Cellular's load exists in the general area, therefore, there is no opportunity for co-location of our facilities with anyone else.

BETHANY

SCHEDULE OF EXHIBITS

EXHIBIT A	LOCATION MAP
EXHIBIT B	DETAILED DIRECTIONS
EXHIBIT C	KENTUCKY AIRPORT ZONING COMMISSION FAA APPLICATIONS FOR APPROVAL
EXHIBIT D	GEOTECHNICAL REPORT
EXHIBIT E	TOWER DESIGN
EXHIBIT F	SURVEY MAP/SITE DEVELOPMENT PLAN
EXHIBIT G	LIST OF PROPERTY OWNERS
EXHIBIT H	VERTICAL TOWER SKETCH
EXHIBIT I	PROPERTY OWNERS NOTIFICATION
EXHIBIT J	BREATHITT COUNTY JUDGE EXECUTIVE NOTIFICATION
EXHIBIT K	FINANCIAL DATA
EXHIBIT L	DEED
EXHIBIT M	SEARCH AREA MAP
EXHIBIT N	PUBLIC NOTICE

EXHIBIT A



PROPOSED TOWER

37 39' 03"

83 26' 21"

EXHIBIT B

DIRECTIONS TO PROPOSED TOWER NEAR BETHANY, KY

From Jackson take Ky 15 North 9.8 miles. Just 1000 ft. short of the county line, turn right on the gravel road. Go through the gate and follow the gravel road ½ mile as it meanders to the tower site.

Directions prepared by Bill Grigsby 606-785-9550

LUKAS, NACE, GUTIERREZ & SACHS

CHARTERED
1111 NINETEENTH STREET, N.W.
SUITE 1200
WASHINGTON, D.C. 20036
(202) 857-3500

RUSSELL D. LUKAS
DAVID L. NACE
THOMAS GUTIERREZ
ELIZABETH R. SACHS
GEORGE L. LYON, JR.
JOEL R. KASWELL
PAMELA L. GIST
DAVID A. LAFURIA
J. JUSTIN McCLURE
MARILYN SUCHECKI MENSE
PAMELA GAARY HOLRAN
B. LYNN F. RATNAVALE
ELIZABETH H. CRONISE*

* NOT ADMITTED IN D.C.

*ADMITTED ONLY IN VIRGINIA

November 3, 1998

CONSULTING ENGINEERS
THOMAS G. ADCOCK, P.E.
MEHRAN NAZARI
ALI KUZEHKANANI
LEROY A. ADAM
LEILA REZANAVAZ

OF COUNSEL
JOHN J. MCAVOY
J.K. HAGE III*

TELECOPIER
(202) 842-4485

Email: lngs@fcclaw.com
http://www.fcclaw.com

WRITER'S DIRECT DIAL

(202) 828-9489
TELECOPIER
(202) 828-8405

Federal Aviation Administration
Southern Regional Office
Air Traffic Division ASO-530
P. O. Box 20636
Atlanta, Georgia 30320

Attn: Ms. Jill Robertson

Dear Jill:

Enclosed please find one FAA Form 7460-1 (Notice of Proposed Construction) for a 300-foot tower structure with a 20-foot top mounted cellular antenna proposed near Bethany, Kentucky. The site is located 1.85 miles east of Bethany.

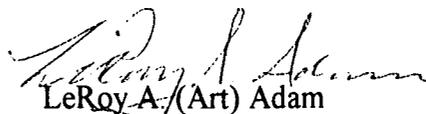
The proponent, Mountaineer Cellular, LLC, is the licensee for cellular Block B service in Kentucky RSA 10-Powell. The transmitting system proposed at this site is Cellular Band B (880-890 MHz) at a maximum ERP not to exceed 500 Watts.

The transmitting system proposed for this site will be installed and maintained such that transmitter spurious radiation in the frequency range of 118 MHz to 137 MHz shall be attenuated at least 71 dB below the unmodulated carrier level.

Geographic coordinates are based on 1927 North American Datum.

Should you have any questions or require additional information, please do not hesitate to call the undersigned at the above-identified telephone number.

Sincerely,


LeRoy A. (Art) Adam
Consulting Engineer



Notice of Proposed Construction or Alteration
Failure To Provide All Requested Information May Delay Processing Of Your Notice

Aeronautical Study Number

1. Nature of Proposal

A. Type: [X] New Construction, [] Alteration *
B. Class: [X] Permanent, [] Temporary (Duration ___ months)
C. Work Schedule Dates: Beginning 3/15/99, End 3/30/99

* If Alteration, provide previous FAA Aeronautical Study Number, if available :

3A. Name, address, and telephone number of individual, company corporation, etc. proposing the construction or alteration.
Mountaineer Cellular, LLC
c/o Lukas, Nace, Gutierrez & Sachs, Chtd.
1111 19th Street, NW, Suite 1200
Washington, DC 20036
Area Code 202 Telephone Number 857-3500

3B. Name, address and telephone number of proponent's representative, if different than 3A. above.
LeRoy A. (Art) Adam
Lukas, Nace, Gutierrez & Sachs, Chtd.
1111 19th Street, N.W., Suite 1200
Washington, DC 20036
(202) 828-9489
Area Code Telephone Number

2. Complete Description of Structure

Please describe the proposed construction or alteration.
A. For proposals involving transmitting stations, include effective radiated power (ERP) and assigned frequency. If not known, give frequency band and maximum ERP.
B. For proposals involving overhead wire, transmission lines, etc., include the size and the configuration of the wires and their supporting structures.
C. For buildings, include site orientation, dimensions, and construction materials.
D. Optional— Describe the type of obstruction marking and lighting system desired. The FAA will consider this in their study.

4. Location Of Structure

A. Coordinates (to hundredths of seconds, if known)
Latitude 0 37 39 03.0
Longitude 0 83 26 20.6
B. Nearest City or Town and State: Bethany, KY
C. Nearest public or military airport, heliport, flightpark, or seaplane base: Julian Carroll (JKL)
(1). Distance to 4B: 1.85 mi.
(2). Direction to 4B: West
N120.6°E

5. Height and Elevation (to nearest foot)

A. Elevation of ground above mean sea level: 1400'
B. Height of structure including all appurtenances and lighting above ground or water: 320'
C. Overall height above mean sea level: 1720'

4D. Source for item 4A data.
[X] USGS 7.5' Quad Chart [] Survey [] Other Specify
Indicate the reference datum.
[X] NAD 27 [] NAD 83 [] Other Specify
4E. Description of site location with respect to highways, street, airports, prominent terrain, features, existing structures, etc. Please attach a U.S. Geological Survey Map (or equivalent) showing the construction site. If available, attach a copy of a documented site survey with the surveyor's certification.

Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. app. § 1501). Persons who knowingly and willfully violate the Notice requirements of Part 77 are subject to a civil penalty of \$1,000 per day until the notice is received, pursuant to Section 901(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. app. § 1471(a)) as well as the fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. app. § 1472(a)).

I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards as necessary.

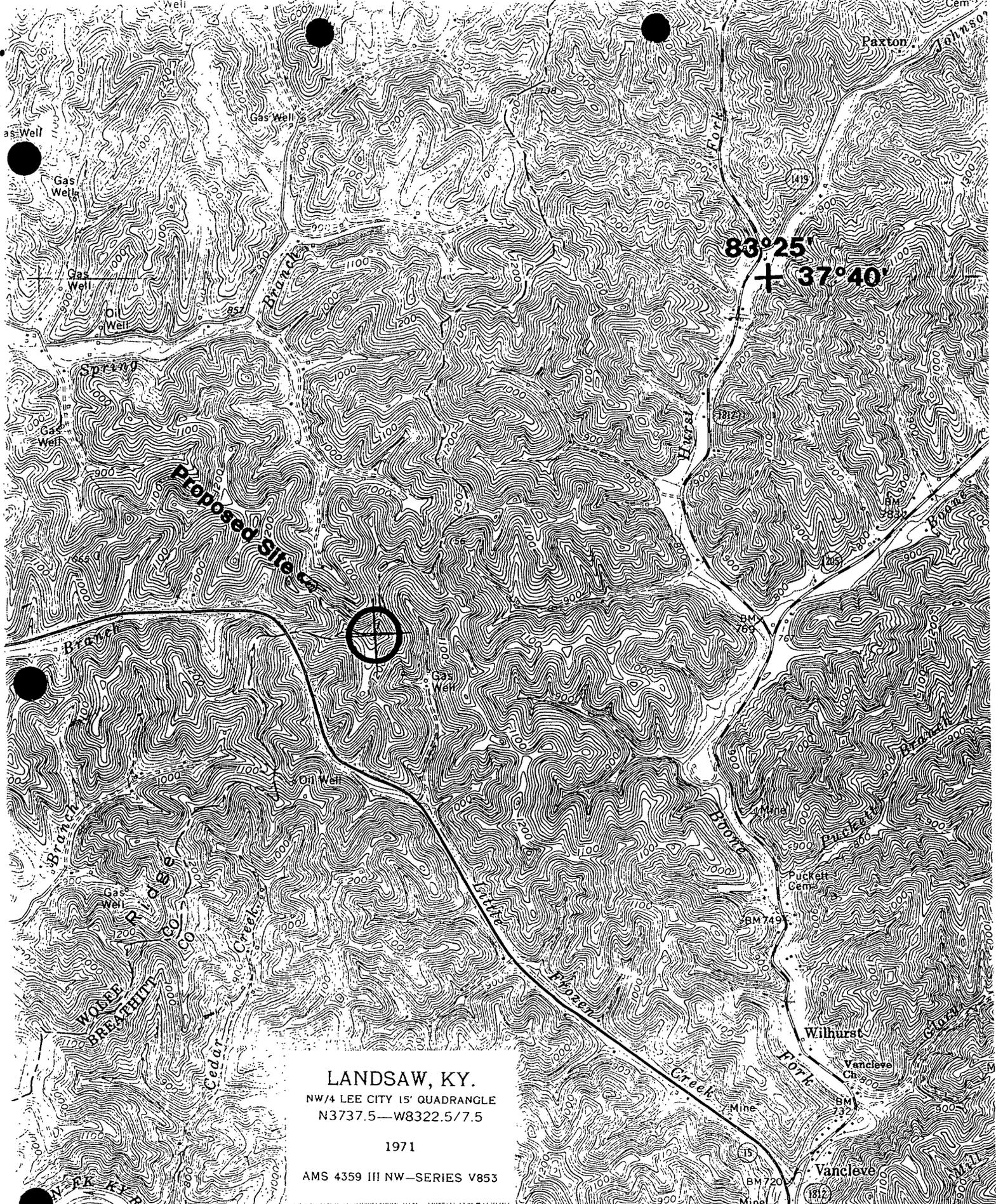
Date: 11/03/98
Typed or Printed Name and Title of Person Filing Notice: LeRoy A. Adam, Consulting Engineer
Signature: [Signature]

FOR FAA USE ONLY FAA will either return this form or issue a separate acknowledgement

The Proposal:
[X] Does not require a notice to FAA
[X] Is not identified as an obstruction under any standard of FAR, Part 77, Subpart C, and would not be a hazard to air navigation
[X] Is identified as an obstruction under the standards of FAR, Part 77, Subpart C, but would not be a hazard to air navigation
[X] Should be obstruction [] marked [] lighted per FAA Advisory Circular 70/7460-1, Chapters
[] Obstruction marking and lighting are not necessary.
Supplemental Notice of Construction, FAA Form 7460-2 is required any time the project is abandoned, or
[X] At least 48 hours before the start of construction
[X] Within five days after the construction reaches its greatest height.
This determination expires on ___ unless
(a) extended, revised or terminated by the issuing office;
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit is made to the FCC on or before the above expiration date. In such cases the determination expires on the date prescribed by the FCC for completion of construction, or on the date the FCC denies the application.
NOTE: Request for extension of the effective period of this determination must be postmarked or delivered to the issuing office at least 15 days prior to the expiration date.
If the structure is subject to the licensing authority of the FCC, a copy of this determination will be sent to that agency.

Remarks

NAD 83 Coordinates: Use these coordinates for any future correspondence with the FAA
Latitude: [] Longitude: []
Issued in: [] Signature: [] Date: []



LANDSAW, KY.

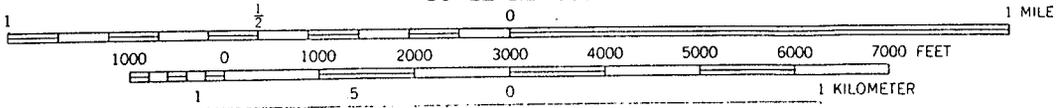
NW/4 LEE CITY 15' QUADRANGLE
N3737.5—W8322.5/7.5

1971

AMS 4359 III NW—SERIES V853

(JACKSON)
4359 III SW

SCALE 1:24 000



87 39 03.0
83 26 20.6

LUKAS, NACE, GUTIERREZ & SACHS

CHARTERED
1111 NINETEENTH STREET, N.W.
SUITE 1200
WASHINGTON, D.C. 20036
(202) 857-3500

RUSSELL D. LUKAS
DAVID L. NACE
THOMAS GUTIERREZ
ELIZABETH R. SACHS
GEORGE L. LYON, JR.
JOEL R. KASWELL
PAMELA L. GIST
DAVID A. LAFURIA
J. JUSTIN McCLURE
MARILYN SUCHECKI MENSE
PAMELA GAARY HOLRAN
B. LYNN F. RATNAVALE
ELIZABETH H. CRONISE*

* NOT ADMITTED IN D.C.

* ADMITTED ONLY IN VIRGINIA

November 3, 1998

CONSULTING ENGINEERS
THOMAS G. ADCOCK, P.E.
MEHRAN NAZARI
ALI KUZEHKANANI
LEROY A. ADAM
LEILA REZANAVAZ

OF COUNSEL
JOHN J. MCAVOY
J.K. HAGE III*

TELECOPIER
(202) 842-4485

Email: lngs@fcclaw.com
<http://www.fcclaw.com>

WRITER'S DIRECT DIAL

(202) 828-9489
TELECOPIER
(202) 828-8405

VIA FEDERAL EXPRESS

Mr. Ronald J. Bland, Administrator
Kentucky Airport Zoning Commission
421 Ann Street
Frankfort, KY 40622

RE: Antenna Tower Construction Permit

Dear Mr. Bland:

Forwarded herewith in duplicate is a Form TC 56-50, "Application for Permit to Construct or Alter a Structure" for a communications tower near Bethany (Wolf), Kentucky.

I believe the application together with its appendices is self-explanatory. However, should you have questions or need additional information please do not hesitate to call me at the telephone number identified above.

Thank you for your assistance.

Sincerely,


LeRoy A. (Art) Adam
Consulting Engineer

LAA\678S26.N03

KENTUCKY TRANSPORTATION CABINET
OFFICE OF AERONAUTICS
421 ANN STREET
FRANKFORT, KENTUCKY 40622

**Application for
Permit to Construct
or
Alter a Structure**

—Instructions on Reverse Side of Form—

DO NOT FILL IN.

AERONAUTICAL STUDY NO.

APPLICANT - NAME & ADDRESS

Mountaineer Cellular, LLC
c/o Lukas, Nace, Gutierrez & Sachs
1111 19th Street, NW, Suite 1200
Washington, DC 20036

TELEPHONE NO.

(202) 828-9489

TYPE OF STRUCTURE

1. CHECK ONE

New Construction Alteration

2. CHECK ONE

Permanent Temporary
Length of time _____ months.

3. NATURE AND COMPLETE DESCRIPTION OF STRUCTURE

The proponent, Mountaineer Cellular, LLC, is the licensee for Cellular Block B service in Kentucky RSA 10-Powell. The transmitting system proposed at this site is Cellular Band B (880-890 MHz) operating at a maximum ERP not to exceed 500 Watts. The proposed antenna structure includes a 300' self-supporting tower with a 20' top-mounted cellular antenna system.

4. County in which construction will take place Wolfe (on Wolfe and Breathitt Co. line)

LOCATION OF STRUCTURE -submit a map-

5. COORDINATES (To nearest second)

LATITUDE LONGITUDE

37° 39' 03.0" 83° 26' 20.6"

6. NEAREST CITY OR TOWN, & STATE

Bethany, KY

(a) DISTANCE TO 6.

1.85 Miles

(b) DIRECTION TO 6.

west

7. NAME OF NEAREST PUBLIC AIRPORT WITHIN KY. BOUNDARIES

Julian Carroll (JKL)

8. DISTANCE & DIRECTION TO NEAREST POINT OF NEAREST RUNWAY

7.8 miles at N 120.6° E

9. HEIGHT & ELEVATION (Complete A, B & C to nearest foot)

A. ELEVATION OF SITE ABOVE MEAN SEA LEVEL

1400

B. HEIGHT OF STRUCTURE INCLUDING APPURTENANCES & LIGHTING (if any) ABOVE GROUND, OR WATER IF SO SITUATED

320

C. OVERALL HEIGHT ABOVE MEAN SEA LEVEL (A + B)

1720

10. WORK SCHEDULE DATES

A. WILL START

3/15/99

B. WILL COMPLETE

3/30/99

D. IF APPLICATION IS FOR CONSTRUCTION/ALTERATION OF AN OVERHEAD TRANSMISSION LINE OR STATIC WIRE WITH SPAN LENGTH 1000 FEET OR MORE. See Appendix E

11. CHECK IF COMPLETED STRUCTURE WILL BE

YES

NO

A. MARKED FOR THE PROTECTION OF AIR NAVIGATION

X

B. PAINTED AS SPECIFIED IN THE REGULATIONS OF THE COMMISSION RELATED TO OBSTRUCTION MARKING

X

C. LIGHTED AS SPECIFIED IN THE REGULATIONS OF THE COMMISSION RELATED TO OBSTRUCTION MARKING

X

12. HAS "NOTICE OF CONSTRUCTION OR ALTERATION" (Form 7460-1) BEEN FILED WITH FEDERAL AVIATION ADMINISTRATION FOR AIRSPACE CLEARANCE? IF SO, WHEN FILED? Yes; 11/3/98

13. CERTIFICATION — I Herby Certify that all the above statements made by me are true, complete, and correct to the best of my knowledge and brief.

LeRoy A. Adam
By LeRoy A. (Art) Adam, Consulting Engineer

Date 11/3/98

Signature & Title of Individual Authorized to Make this Certification.

PENALTY — See Reverse Side of this Form

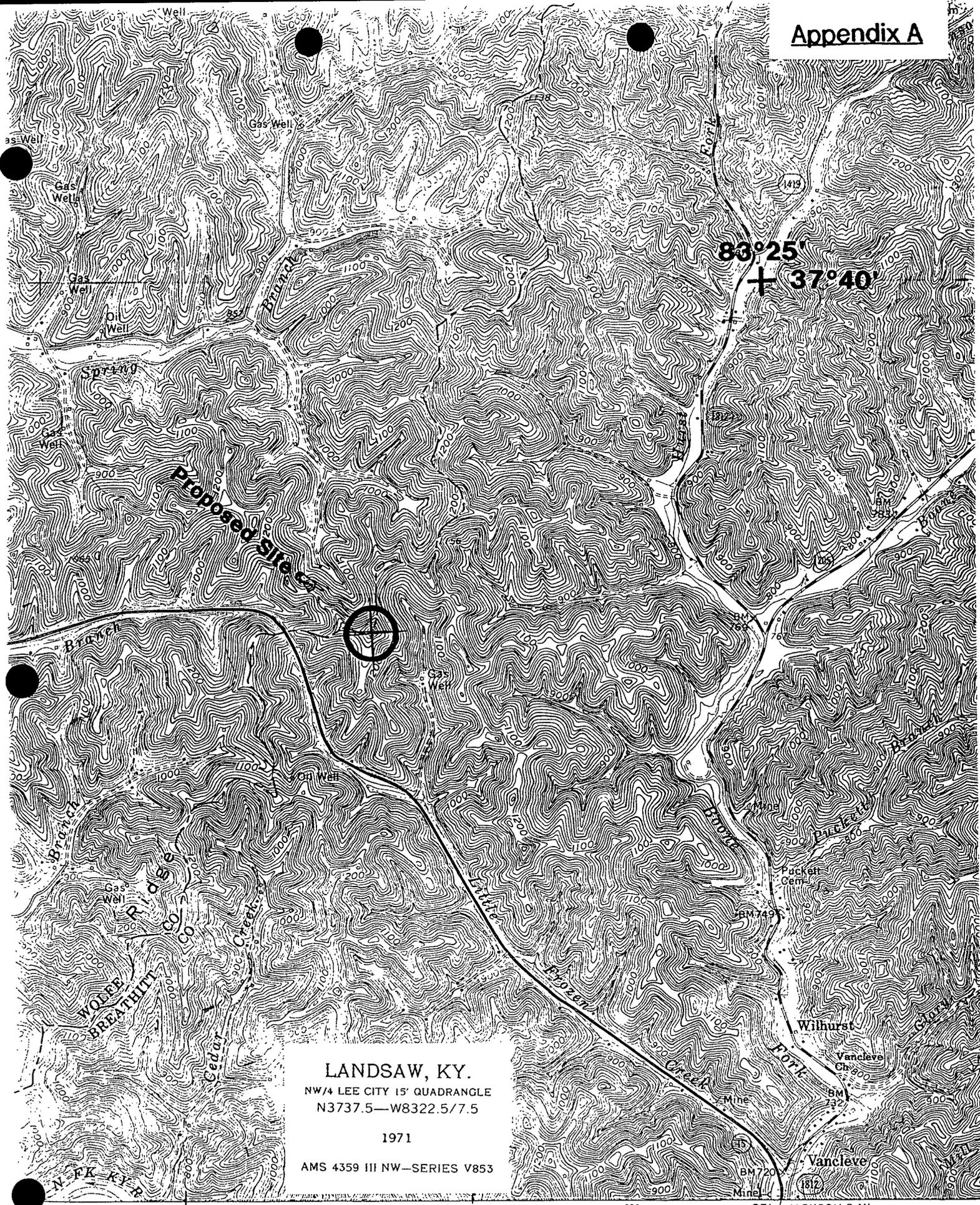
COMMISSION ACTION

CHAIRMAN, KAZC (OR) ADMINISTRATOR, KAZC

APPROVED

DISAPPROVED

Date _____



83°25'
+ 37°40'

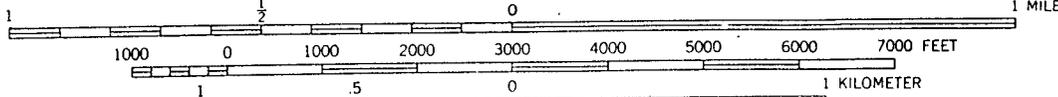
Proposed site

LANDSAW, KY.
NW/4 LEE CITY 15' QUADRANGLE
N3737.5—W8322.5/7.5
1971

AMS 4359 III NW—SERIES V853

(JACKSON)
4359 III SW

SCALE 1:24 000



37 39 03.0
83 26 20.6

LUKAS, NACE, GUTIERREZ & SACHS

CHARTERED
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* NOT ADMITTED IN D.C.
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LEROY A. ADAM
LEILA REZANAVAZ

OF COUNSEL
JOHN J. MCAVOY
J.K. HAGE III*

TELECOPIER
(202) 842-4485

Email: lngs@fcclaw.com
http://www.fcclaw.com

WRITER'S DIRECT DIAL

November 3, 1998

(202) 828-9489
TELECOPIER
(202) 828-8405

Federal Aviation Administration
Southern Regional Office
Air Traffic Division ASO-530
P. O. Box 20636
Atlanta, Georgia 30320

Attn: Ms. Jill Robertson

Dear Jill:

Enclosed please find one FAA Form 7460-1 (Notice of Proposed Construction) for a 300-foot tower structure with a 20-foot top mounted cellular antenna proposed near Bethany, Kentucky. The site is located 1.85 miles east of Bethany.

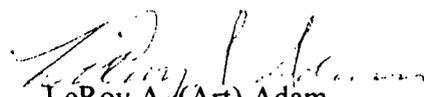
The proponent, Mountaineer Cellular, LLC, is the licensee for cellular Block B service in Kentucky RSA 10-Powell. The transmitting system proposed at this site is Cellular Band B (880-890 MHz) at a maximum ERP not to exceed 500 Watts.

The transmitting system proposed for this site will be installed and maintained such that transmitter spurious radiation in the frequency range of 118 MHz to 137 MHz shall be attenuated at least 71 dB below the unmodulated carrier level.

Geographic coordinates are based on 1927 North American Datum.

Should you have any questions or require additional information, please do not hesitate to call the undersigned at the above-identified telephone number.

Sincerely,


LeRoy A. (Art) Adam
Consulting Engineer

Enclosure
678526 Robinson.N03



U.S. Department of Transportation
Federal Aviation Administration

Notice of Proposed Construction or Alteration

Failure To Provide All Requested Information May Delay Processing Of Your Notice

1. Nature of Proposal

A. Type	B. Class	C. Work Schedule Dates
<input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration *	<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months)	Beginning <u>3/15/99</u> End <u>3/30/99</u>

* If Alteration, provide previous FAA Aeronautical Study Number, if available :

3A. Name, address, and telephone number of individual, company corporation, etc. proposing the construction or alteration. (Number, Street, City, State, and Zip Code)

Mountaineer Cellular, LLC
c/o Lukas, Nace, Gutierrez & Sachs, Chtd.
1111 19th Street, NW, Suite 1200
Washington, DC 20036
 Area Code **202** Telephone Number **857-3500**

3B. Name, address and telephone number of proponent's representative, if different than 3A. above.

LeRoy A. (Art) Adam
Lukas, Nace, Gutierrez & Sachs, Chtd.
1111 19th Street, N.W., Suite 1200
Washington, DC 20036
 (**202**) **828-9489**
 Area Code Telephone Number

2. Complete Description of Structure

Please describe the proposed construction or alteration.

A. For proposals involving transmitting stations, include effective radiated power (ERP) and assigned frequency. If not known, give frequency band and maximum ERP.

B. For proposals involving overhead wire, transmission lines, etc., include the size and the configuration of the wires and their supporting structures.

C. For buildings, include site orientation, dimensions, and construction materials.

D. **Optional**— Describe the type of obstruction marking and lighting system desired. The FAA will consider this in their study.

4. Location Of Structure

A. Coordinates (to hundredths of seconds, if known)	B. Nearest City or Town and State	C. Nearest public or military airport, heliport, flightpark, or seaplane base
Latitude 0 ' " 37 39 03 0	Bethany, KY	Julian Carroll (JKL)
Longitude 0 ' " 83 26 20 6	(1). Distance to 4B 1.85 mi.	(1). Distance from structure to nearest point of nearest runway 7.8 mi.
4D. Source for item 4A data.	(2). Direction to 4B West	(2). Direction from structure to airport N120.6°E
<input checked="" type="checkbox"/> USGS 7.5' Quad Chart <input type="checkbox"/> Survey <input type="checkbox"/> Other Specify		

Indicate the reference datum.

NAD 27 NAD 83 Other Specify

5. Height and Elevation (to nearest foot)

A. Elevation of ground above mean sea level.	1400'
B. Height of structure including all appurtenances and lighting above ground or water.	320'
C. Overall height above mean sea level	1720'

Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. app. § 1501). Persons who knowingly and willfully violate the Notice requirements of Part 77 are subject to a civil penalty of \$1,000 per day until the notice is received, pursuant to Section 901(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. app. § 1471(a)) as well as the fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. app. § 1472(a)).

I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards as necessary.

Date 11/03/98	Typed or Printed Name and Title of Person Filing Notice LeRoy A. Adam, Consulting Engineer	Signature <i>LeRoy A. Adam</i>
-------------------------	--	-----------------------------------

FOR FAA USE ONLY

The Proposal

Does not require a notice to FAA
 Is not identified as an obstruction under any standard of FAR, Part 77, Subpart C and would not be a hazard to air navigation.
 Is identified as an obstruction under the standards of FAR, Part 77, Subpart C, but would not be a hazard to air navigation.
 Should be obstruction marked lighted per FAA Advisory Circular 7117450-1, Chapters 1 and 2.
 Obstruction marking and lighting are not necessary.

Supplemental Notice of Construction, FAA Form 7460-2, is required any time the project is abandoned or

At least 48 hours before the start of construction
 Within five days after the construction reaches its greatest height

This determination expires on _____ unless

(a) extended, revised or terminated by the issuing office
 (b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit is made to the FCC on or before the above expiration date. In such cases the determination expires on the date prescribed by the FCC for completion of construction, or on the date the FCC denies the application.

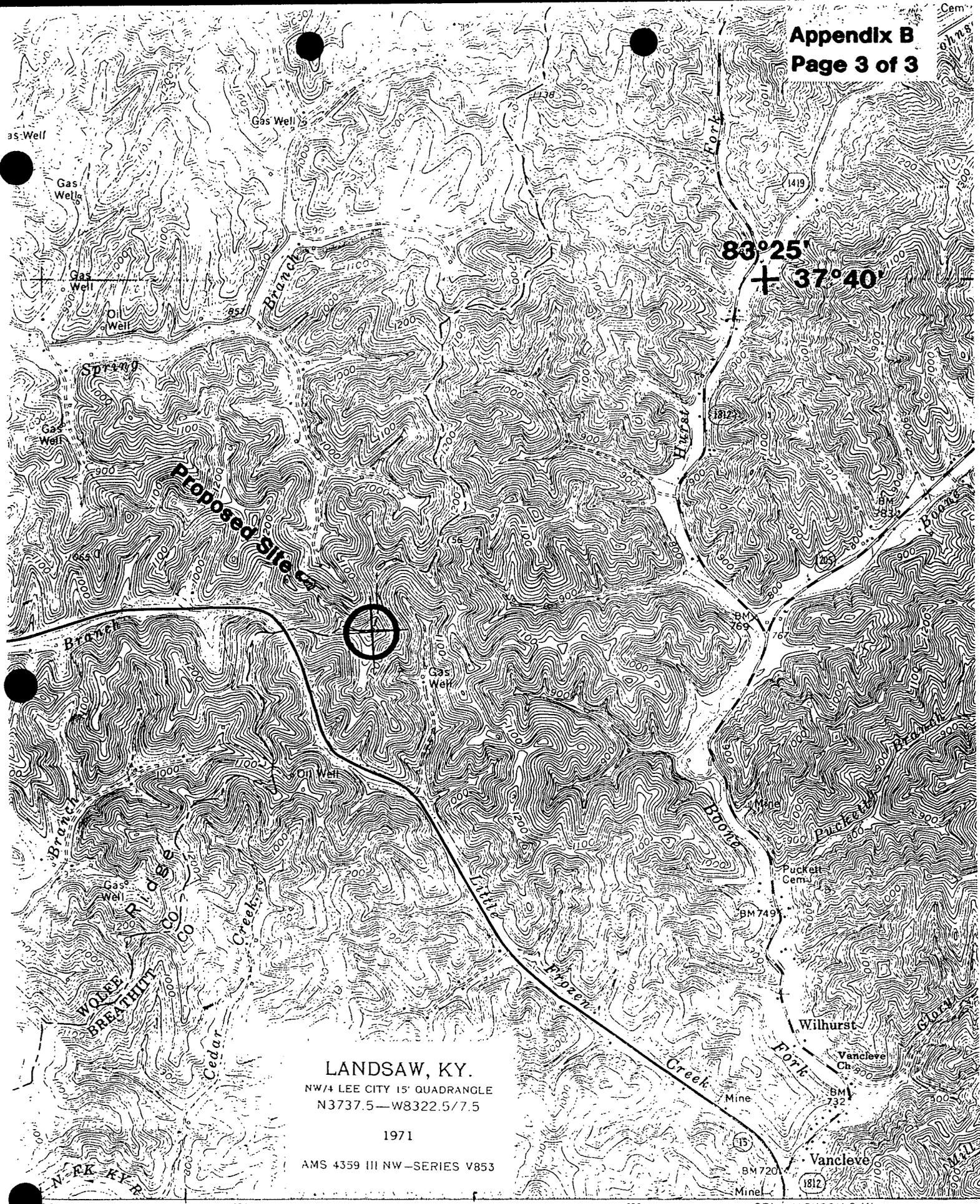
NOTE: Request for extension of the effective period of this determination must be postmarked or delivered to the issuing office at least 15 days prior to the expiration date.

If the structure is subject to the licensing authority of the FCC, a copy of this determination will be sent to that agency.

Remarks

NAD 83 Coordinates (Use these coordinates for any future correspondence with the FAA)	Latitude	Longitude
---	----------	-----------

Issued in	Signature	Date
-----------	-----------	------

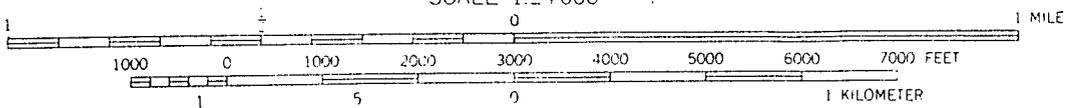


LANDSAW, KY.
NW/4 LEE CITY 15' QUADRANGLE
N3737.5-W8322.5/7.5

1971

AMS 4359 III NW-SERIES V853

(JACKSON)
4359 III SW
SCALE 1:24000



3.9 03.0
0.6 20.6

MARKING AND LIGHTING

The proposed tower structure will be marked and lighted in accordance with applicable Commission regulations.

Appendix D

Mountaineer Cellular General Partnership, is the Band B licensee for cellular service in Kentucky Rural Service Area #10 ("KY-10 RSA"). The addition of a cellular base station for which the proposed tower is needed is a "permissive change" requiring only "notification" to the FCC rather than an "application for license." Therefore an application will not exist prior to construction of the cell; however, "notification" documentation similar to that included in an application will be prepared and can be made available at the time of filing with the FCC (i.e., the cellular base station activation date).

**WENDELL R. HOLMES, P.G.
54 CHEROKEE DRIVE
EMMALENA, KY 41740
(606) 785-0603**

January 3, 1999

Bethany Tower Site

Purpose

A site assessment was conducted for Kentucky Cellular on a tract of land located in Breathitt County near Bethany, Kentucky. The site of the proposed tower is now forestland. The purpose of this investigation was to determine the depth to bedrock and of what type of rock the bedrock consists.

Site Investigation

The trenching method was conducted on the property. A Caterpillar D5 dozer was used to determine the depth to bedrock.

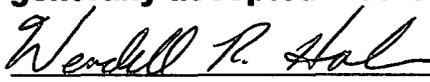
The bedrock was exposed in the center of the property where the tower is to be located. It was approximately 0.5 feet to sandstone bedrock. (See attached page for descriptions of materials encountered.)

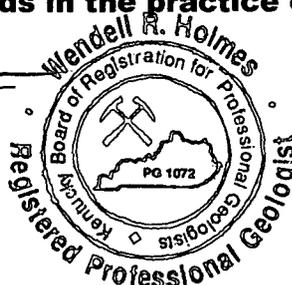
The terrain in Breathitt County is moderately to very steep. The tower site is located on a knob near the Breathitt - Wolfe county line. The sandstone formation below the site is approximately fifty to one hundred feet, based on the information obtained from the trenching and geological maps of the area.

Conclusions

The proposed tower site is located on a hill in the area. The sandstone bedrock on the proposed tower site is part of the Breathitt Formation, and is lower Pennsylvanian to upper Mississippian in age. Tests were not conducted to determine the load-bearing strength of the bedrock. However, it is apparent that the tower will be constructed on the sandstone bedrock formation.

The field work for this site was performed by Wendell R. Holmes, using generally accepted methods in the practice of geological science.


Wendell R. Holmes, P.G.



**WENDELL R. HOLMES, P.G.
54 CHEROKEE DRIVE
EMMALENA, KY 41740
(606) 785-0603**

Geologist Log

Location: Bethany Tower Site

Unit Thickness	Total depth	Strata	Description
0.50'	0.50'	Sandy Loam	Brownish yellow, Sandy
10.00'	10.50'	Sandstone	Brown, weathered
40.00'	50.50'	Sandstone	Brown and Gray with Occasional Shale Streaks

CHI S. LEE, P.E.**** Specializing in Communications Structure Design ****

5801 Lorraine Ave.
Sioux City, IA 51106
FAX & Phone No. (712) 276-2142

February 17, 1999

Tom Kopshever
Manager of Operations
Universal Tower, Inc.
P.O. Box 276
Henderson, KY 42420

Re: 300' Self-supporting Tower at Hindman, Knott County, KY for Kentucky Cellular, Inc.
(CSL Job #1999J-35, data file winword\universal\99j35.doc)

Dear Mr. Kopshever:

This letter is to confirm that the 300' Self-Supporting Tower, which is located at Hindman, Knott County, KY and is manufactured by Universal Tower, Inc. of Henderson, KY, has been directly designed by me. The tower foundation has also been designed by me directly. Both the tower and foundation meet the requirements of EIA-222-F-1996 Standard at the required wind speed and antenna loading.

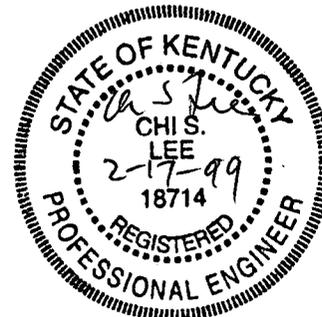
I am a duly Registered Professional Engineer under the laws of the State of Kentucky. My Kentucky P.E. Registration Number is 18714.

If you have any questions, please feel free to contact me.

Sincerely,



Chi S. Lee, P.E.
Kentucky Reg. No. 18714



UNIVERSAL TOWER, INC.

P.O. BOX 276

HENDERSON, KY. 42419-0276

300' SELF-SUPPORTING TOWER

CUSTOMER: KENTUCKY CELLULAR

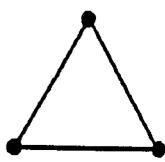
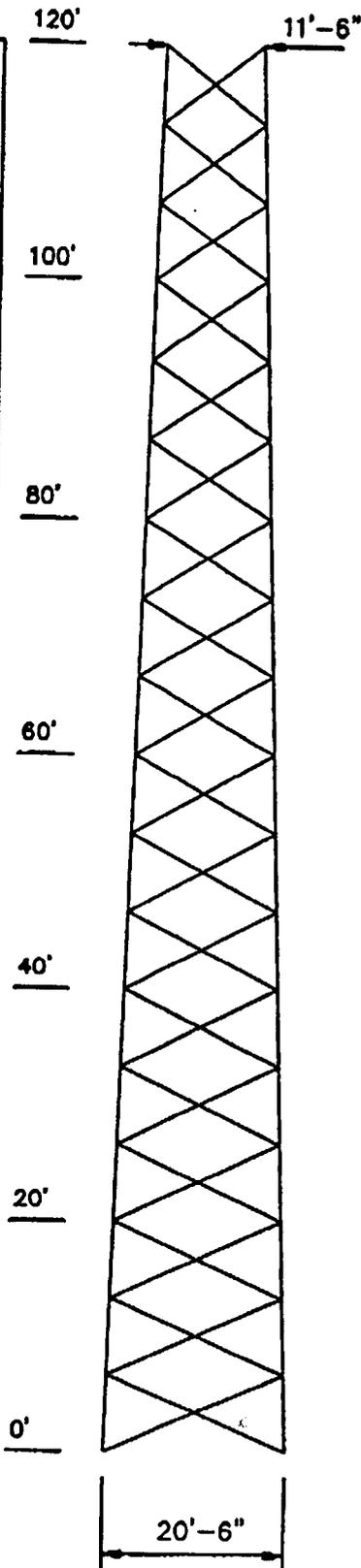
LOCATION: BETHANY, BREATHITT CO., KY.



JOB NO.: S-141

DATE: 1/99

LEGS	3.50" ϕ SOLID ROD	
DIAGONALS	L 3.5X3.5X1/4	L 2X2X3/16
GIRTS	NONE	
BRACE BOLTS	(1) 7/8" ϕ	(1) 5/8" ϕ
SPLICE BOLTS	(6) 1.25" ϕ	(6) 1.00" ϕ
# OF BAYS	3/20'	



PLAN VIEW



P. 2 OF 2

BASE REACTIONS

- TOTAL SHEAR = 24 KIPS
- AXIAL LOAD = 44 KIPS
- UPLIFT / LEG = 176 KIPS
- COPM. / LEG = 206 KIPS
- O.T. MOMENT = 3392 FT-KIPS

TOWER IS DESIGNED AT 70 MPH WIND + 0.5" RADIAL ICE
(WITH WIND REDUCTION) PER EIA-222-F-1996 STANDARD

CHI S. LEE, P.E.
5601 LORRAINE AVE.
SIOUX CITY, IA 51106
FAX AND PHONE No. (712) 276-2142

UNIVERSAL TOWER INC.
P.O. Box 276
HENDERSON, KY 42420
PHONE No. (502) 533-5151

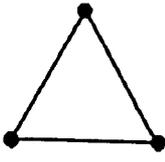
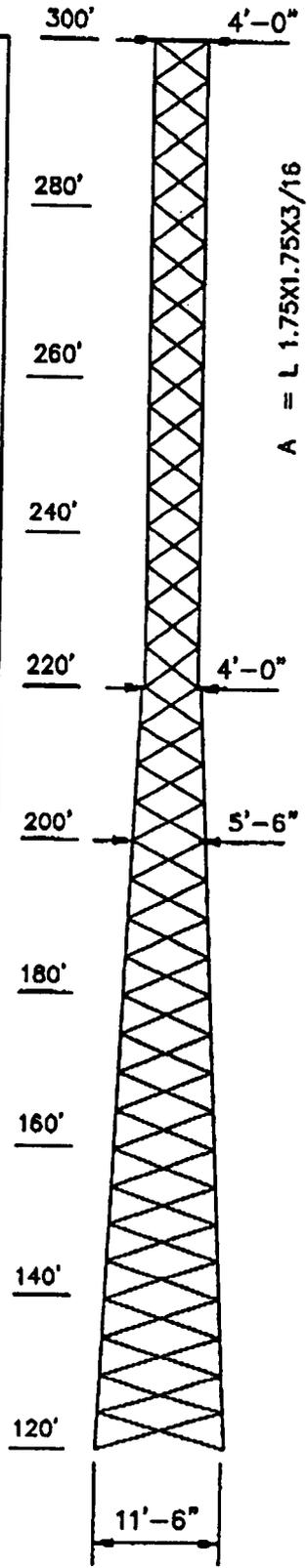
300' SELF-SUPPORTING TOWER
KENTUCKY CELLULAR
HINDMAN, KNOTT CO., KY
CSL JOB NO. 1999J-35

PMD\99J35B.DWG

REV.	DATE	DESIGNED BY
0	1-18-99	CSL

#H304

LEGS	2.75" ϕ SOLID ROD	2.50" ϕ SOLID ROD	2.25" ϕ	1.75" ϕ SOLID ROD
DIAGONALS	L 2X2X3/16	L 1.75X1.75X3/16		
GIRTS		NONE		A
BRACE BOLTS	(1) 5/8" ϕ	(1) 1/2" ϕ		
SPLICE BOLTS	(6) 1.00" ϕ	(6) 3/4" ϕ		(4) 5/8" ϕ
# OF BAYS		4/20'		



PLAN VIEW



ELEV.	ANTENNAS	FEEDLINES
TOP	(6) DB810 + (3) 6' SIDE ARMS	(6) 1-5/8"
220'	(1) 6' DISH WITH RADOME	(1) EW-63
150'	(1) 8' DISH WITH RADOME	(1) EW-63
100'	(1) 8' DISH WITH RADOME	(1) EW-63

--FEELINES OVER 3 TOWER FACES
 --CLIMBING LADDER WITH SAFETY DEVICE

SEE MORE SECTIONS
 ON P. 2 OF 2

TOWER IS DESIGNED AT 70 MPH WIND + 0.5" RADIAL ICE
 (WITH WIND REDUCTION) PER EIA-222-F-1996 STANDARD

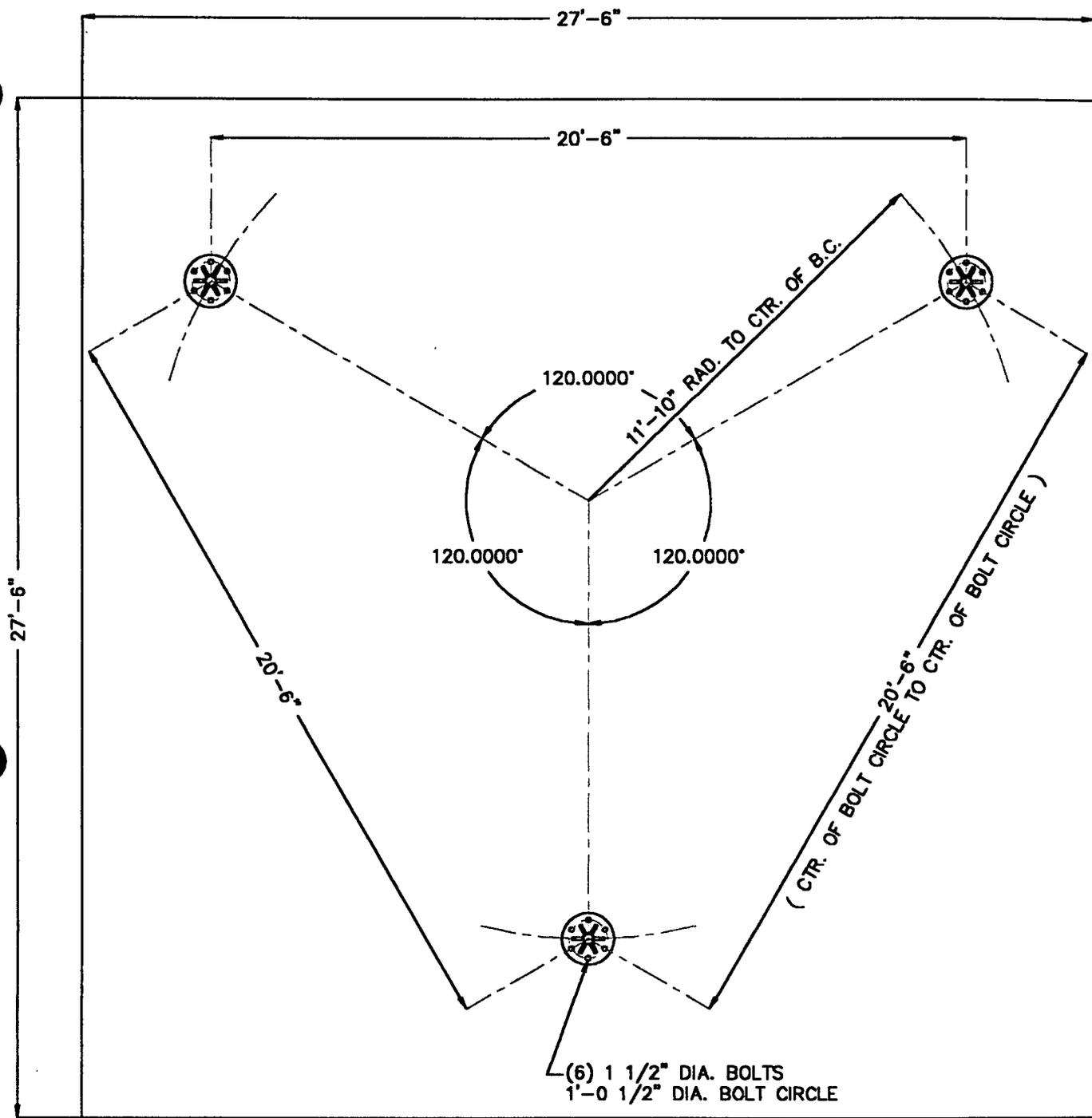
CHI S. LEE, P.E. 5801 LORRAINE AVE. ST LOUIS CITY, IA 51106 FAX AND PHONE No. (712) 276-2142	UNIVERSAL TOWER INC. P.O. Box 276 HENDERSON, KY 42420 PHONE No. (502) 533-5151
	300' SELF-SUPPORTING TOWER
	KENTUCKY CELLULAR
	HINDMAN, KNOTT CO., KY
	CSL JOB NO. 1999J-35
REV. DATE DESIGNED BY	
0 1-18-99 CSL	

PMD\99J35A.DWG

P. 1 OF 2

DESIGN NOTES

- 1) ALL LEGS ARE 50 KSI
- 2) ALL BRACES ARE 36 KSI
- 3) ALL BRACE AND SPLICE BOLTS ARE A325-X
- 4) ESTIMATED STEEL WT. OF TOWER = 32.85 KIPS
- 5) USE 17" ϕ X 2" THK. (12.5" ϕ BOLT CIRCLE) AND WITH (6) 3.5"X5"X3/8" STIFFENERS WITH 3/8" WELDS PER LEG



PLAN VIEW AT BASE

CONCRETE
MAT



UNIVERSAL TOWER INC.

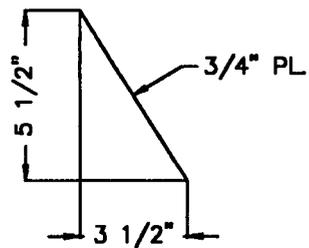
P.O. BOX 276
Henderson, Kentucky 42419-0276
Phone (502) 533-5151 FAX (502) 533-1479

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1/99

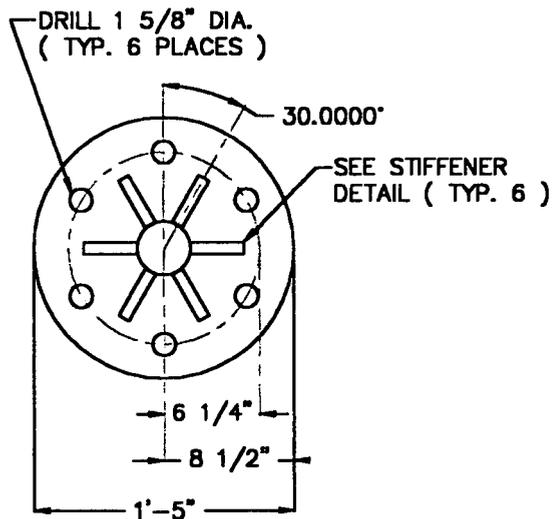
FOR: 300' SELF SUPPORTING TOWER
KENTUCKY CELLULAR
BETHANY, BREATHTT CO., KY.

JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141F1

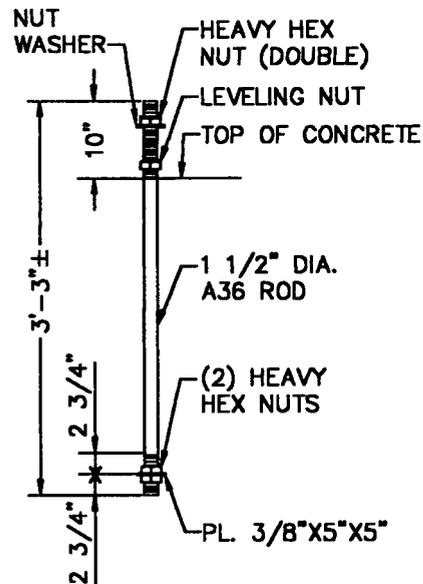
SHT. NO.
1



STIFFENER DETAIL



BASE PLATE DETAIL

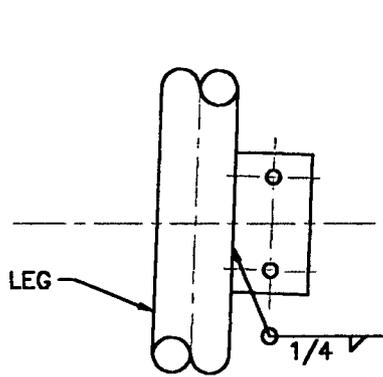


ANCHOR BOLT DETAIL

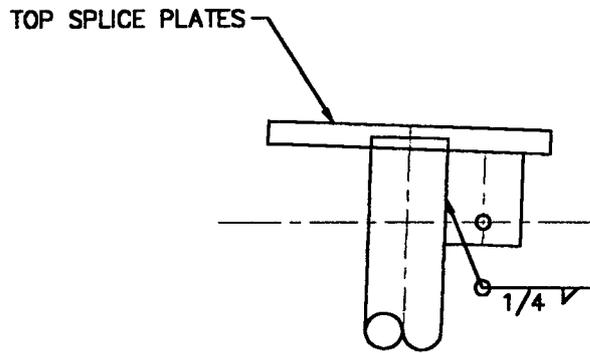
NOTES:

1. ALL ANCHOR BOLTS TO BE A-36.
2. ALL NUTS TO BE HEAVY HEX.
3. AFTER ALL BOTTOM SECTION COLUMNS ARE SET. FILL IN SPACE BETWEEN BASE PLATE & CONCRETE PIER WITH HIGH DENSITY GROUT.

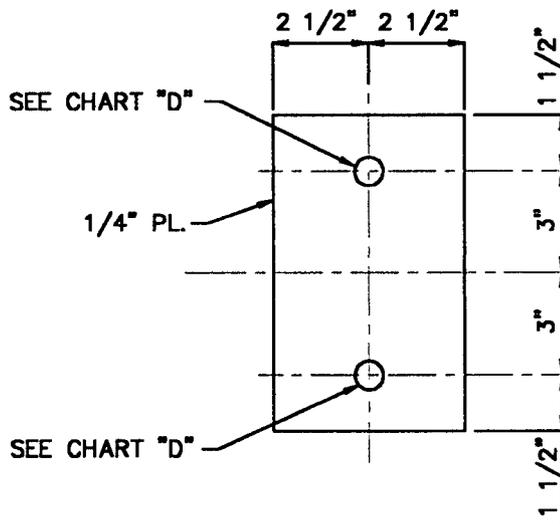
	<h1>UNIVERSAL TOWER INC.</h1>	
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K.A.C. 1/99	FOR: 300' SELF SUPPORTING TOWER KENTUCKY CELLULAR BETHANY, BREATHITT CO., KY.	JOB NO. S141 SECTION WEIGHT: X FILE NAME: 141F3
		SHT. NO. 1A



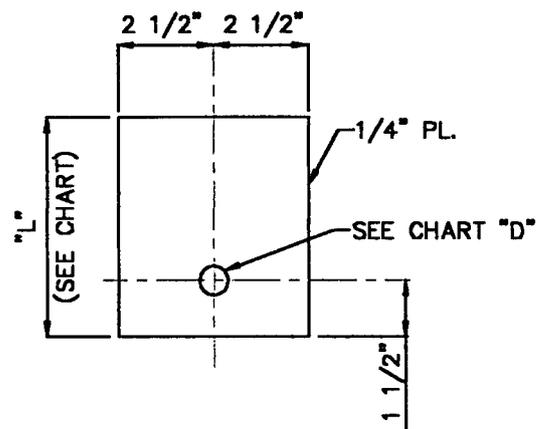
INTERMEDIATE BRACE PLATE DETAIL



TOP BRACE PLATE DETAIL



INTERMEDIATE BRACE PLATE



INTERMEDIATE BRACE PLATE

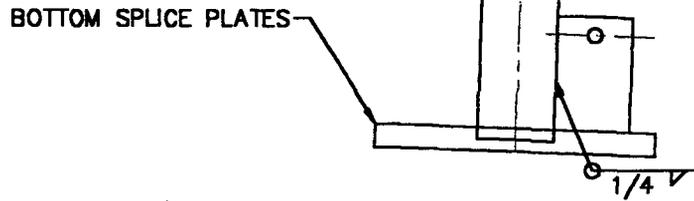
PIECE MARK	"D"	PIECE MARK	"D"	"L"
I-BRPS1	15/16"	T-BRPS1	15/16"	6"
I-BRPS2	13/16"	T-BRPS2	13/16"	6"
I-BRPS3	13/16"	T-BRPS3	13/16"	6"
I-BRPS4	13/16"	T-BRPS4	13/16"	6 1/2"
I-BRPS5	13/16"	T-BRPS5	13/16"	6 1/2"
I-BRPS6	11/16"	T-BRPS6	11/16"	6 1/2"
I-BRPS7	11/16"	T-BRPS7	11/16"	6 1/2"
I-BRPS8	9/16"	T-BRPS8	9/16"	6 1/2"
I-BRPS9	9/16"	T-BRPS9	9/16"	6 1/2"
I-BRPS10	9/16"	T-BRPS10	9/16"	6 1/2"
I-BRPS11	9/16"	T-BRPS11	9/16"	6 1/2"
I-BRPS12	9/16"	T-BRPS12	9/16"	6 1/2"
I-BRPS13	9/16"	T-BRPS13	9/16"	6 1/2"
I-BRPS14	9/16"	T-BRPS14	9/16"	6 3/4"
I-BRPS15	9/16"	T-BRPS15	9/16"	9"



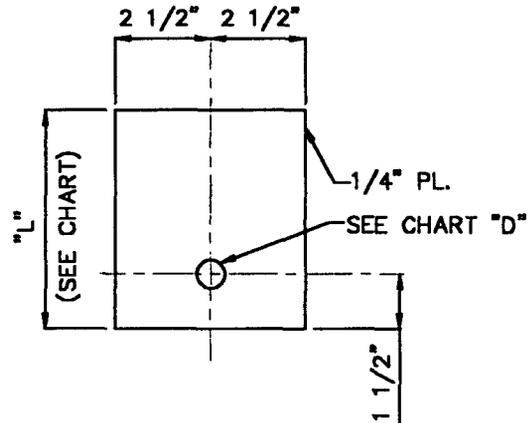
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K.A.C. 1/99	FOR: 300' SELF SUPPORTING TOWER KENTUCKY CELLULAR BETHANY, BREATHITT CO., KY.
JOB NO. S141 SECTION WEIGHT: X FILE NAME: 141BR1	SHT. NO. 2



BOTTOM BRACE PLATE DETAIL



BOTTOM BRACE PLATE

PIECE MARK	"D"	"L"
L-BRPS1	15/16"	9"
L-BRPS2	13/16"	6"
L-BRPS3	13/16"	6"
L-BRPS4	13/16"	6 1/2"
L-BRPS5	13/16"	6 1/2"
L-BRPS6	11/16"	6 1/2"
L-BRPS7	11/16"	6 1/2"
L-BRPS8	9/16"	6 3/4"
L-BRPS9	9/16"	6 3/4"
L-BRPS10	9/16"	6 1/2"
L-BRPS11	9/16"	6 1/2"
L-BRPS12	9/16"	6 1/2"
L-BRPS13	9/16"	6 1/2"
L-BRPS14	9/16"	6 1/2"
L-BRPS15	9/16"	6 3/4"



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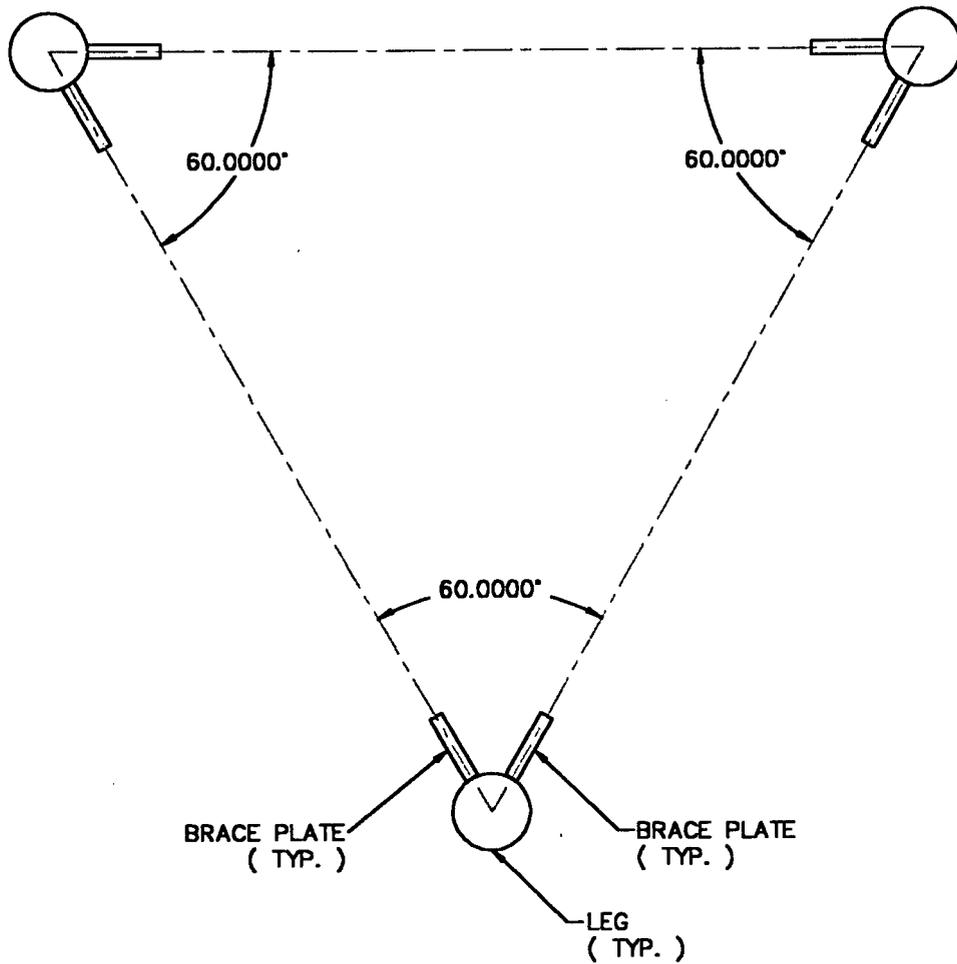
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1/99

FOR: 300' SELF SUPPORTING TOWER
 KENTUCKY CELLULAR
 BETHANY, BREATHITT CO., KY.

JOB NO. S141
 SECTION WEIGHT: X
 FILE NAME: 141BR2

SHT. NO.

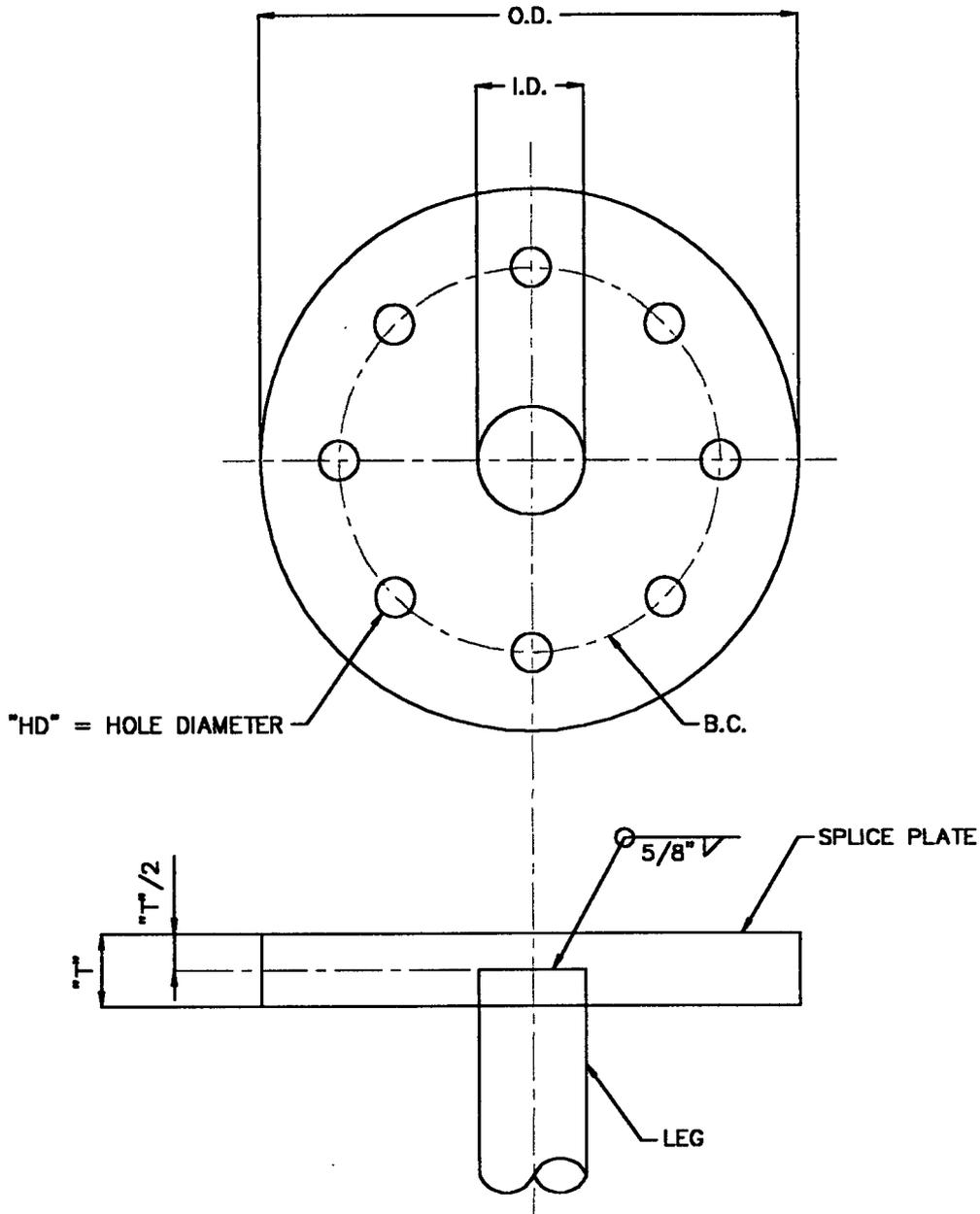
3



TYPICAL PLAN VIEW

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	FOR: 300' SELF SUPPORTING TOWER KENTUCKY CELLULAR BETHANY, BREATHITT CO., KY.	SHT. NO. 4
K.A.C. 1/99	JOB NO. S141 SECTION WEIGHT: X FILE NAME: 141F2	

TO CENTER OF TOWER



TYPICAL SPLICE PLATE DETAILS

SEE CHART ON NEXT SHEET FOR DIMENSIONS

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K.A.C. 1/99		FOR: 300' SELF SUPPORTING TOWER KENTUCKY CELLULAR BETHANY, BREATHITT CO., KY.
JOB NO. S141 SECTION WEIGHT: X FILE NAME: 141SPL		SHT. NO. 5

FLANGE LIST

PIECE MARK	QTY.	O.D.	I.D.	"T"	# OF HOLES	"HD"	B.C.
BEARING PL.	3	17"	7"	3/4"	6	1 3/4"	12 1/2"
TEMPLATE	3	17"	7"	1/4"	6	1 3/4"	12 1/2"
BASE PLATE	3	17"	N.A.	2"	6	1 5/8"	12 1/2"
T-SPLS1	3	13 1/2"	3 5/8"	1 1/2"	6	1 3/8"	10"
B-SPLS2	3	13 1/2"	3 5/8"	1 1/2"	6	1 3/8"	10"
T-SPLS2	3	13 1/2"	3 5/8"	1 1/2"	6	1 3/8"	10"
B-SPLS3	3	13 1/2"	3 5/8"	1 1/2"	6	1 3/8"	10"
T-SPLS3	3	13 1/2"	3 5/8"	1 1/2"	6	1 3/8"	10"
B-SPLS4	3	13 1/2"	3 3/8"	1"	6	1 3/8"	10"
T-SPLS4	3	11 1/2"	3 3/8"	1"	6	1 1/8"	7"
B-SPLS5	3	11 1/2"	3 3/8"	1"	6	1 1/8"	7"
T-SPLS5	3	11 1/2"	3 3/8"	1"	6	1 1/8"	7"
B-SPLS6	3	11 1/2"	3 3/8"	1"	6	1 1/8"	7"
T-SPLS6	3	11 1/2"	3 3/8"	1"	6	1 1/8"	7"
B-SPLS7	3	11 1/2"	2 7/8"	1"	6	1 1/8"	7"
T-SPLS7	3	11 1/2"	2 7/8"	1"	6	1 1/8"	7"
B-SPLS8	3	11 1/2"	2 7/8"	1"	6	1 1/8"	7"
T-SPLS8	3	11 1/2"	2 7/8"	1"	6	1 1/8"	7"
B-SPLS9	3	11 1/2"	2 7/8"	1"	6	1 1/8"	7"
T-SPLS9	3	10"	2 7/8"	1"	6	7/8"	6"
B-SPLS10	3	10"	2 5/8"	1"	6	7/8"	6"
T-SPLS10	3	10"	2 5/8"	1"	6	7/8"	6"
B-SPLS11	3	10"	2 5/8"	1"	6	7/8"	6"
T-SPLS11	3	10"	2 5/8"	1"	6	7/8"	6"
B-SPLS12	3	10"	2 5/8"	1"	6	7/8"	6"
T-SPLS12	3	10"	2 5/8"	1"	6	7/8"	6"
B-SPLS13	3	10"	2 3/8"	1"	6	7/8"	6"
T-SPLS13	3	10"	2 3/8"	1"	6	3/4"	6"
B-SPLS14	3	10"	1 7/8"	1"	4	3/4"	6"
T-SPLS14	3	7"	1 7/8"	3/4"	4	3/4"	4"
B-SPLS15	3	7"	1 7/8"	3/4"	4	3/4"	4"

SPLICE PLATE DIMENSION CHART



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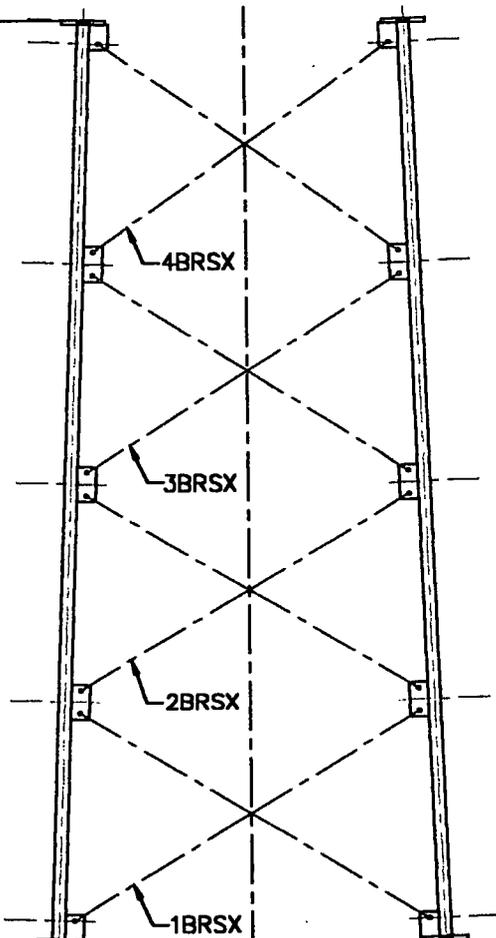
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FOR: 300' SELF SUPPORTING TOWER
KENTUCKY CELLULAR
BETHANY, BREATHITT CO., KY.

JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141SPL1

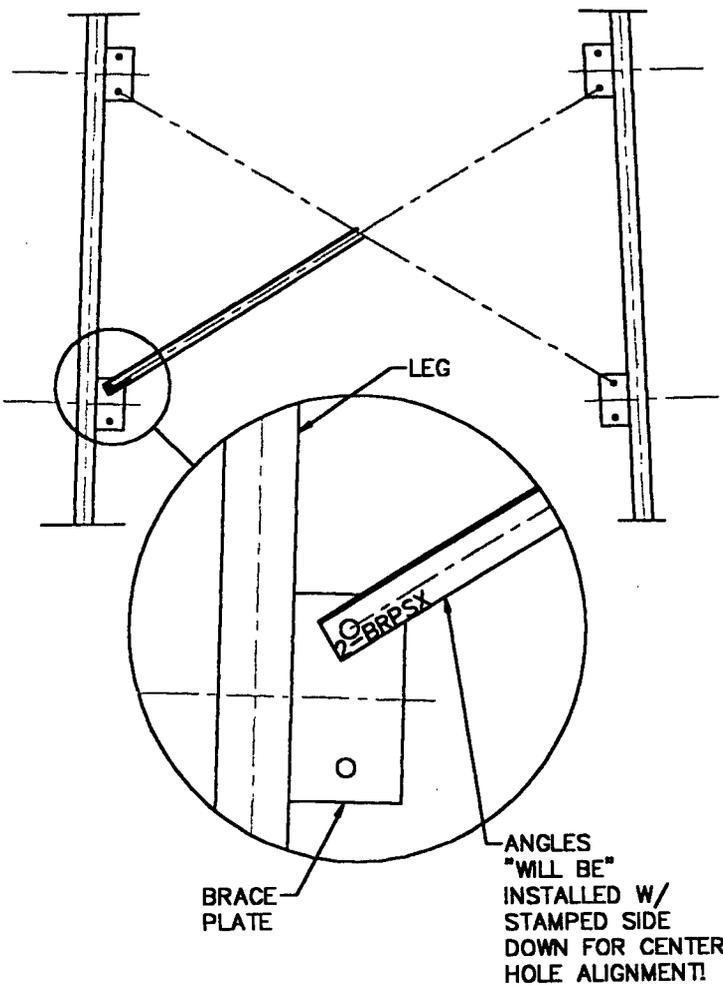
SHT. NO.
6

EL.
(TYP.)



EL.
(TYP.)

(TYP.) TOWER SECTION



ANGLE
INSTALLATION DETAIL



UNIVERSAL TOWER INC.

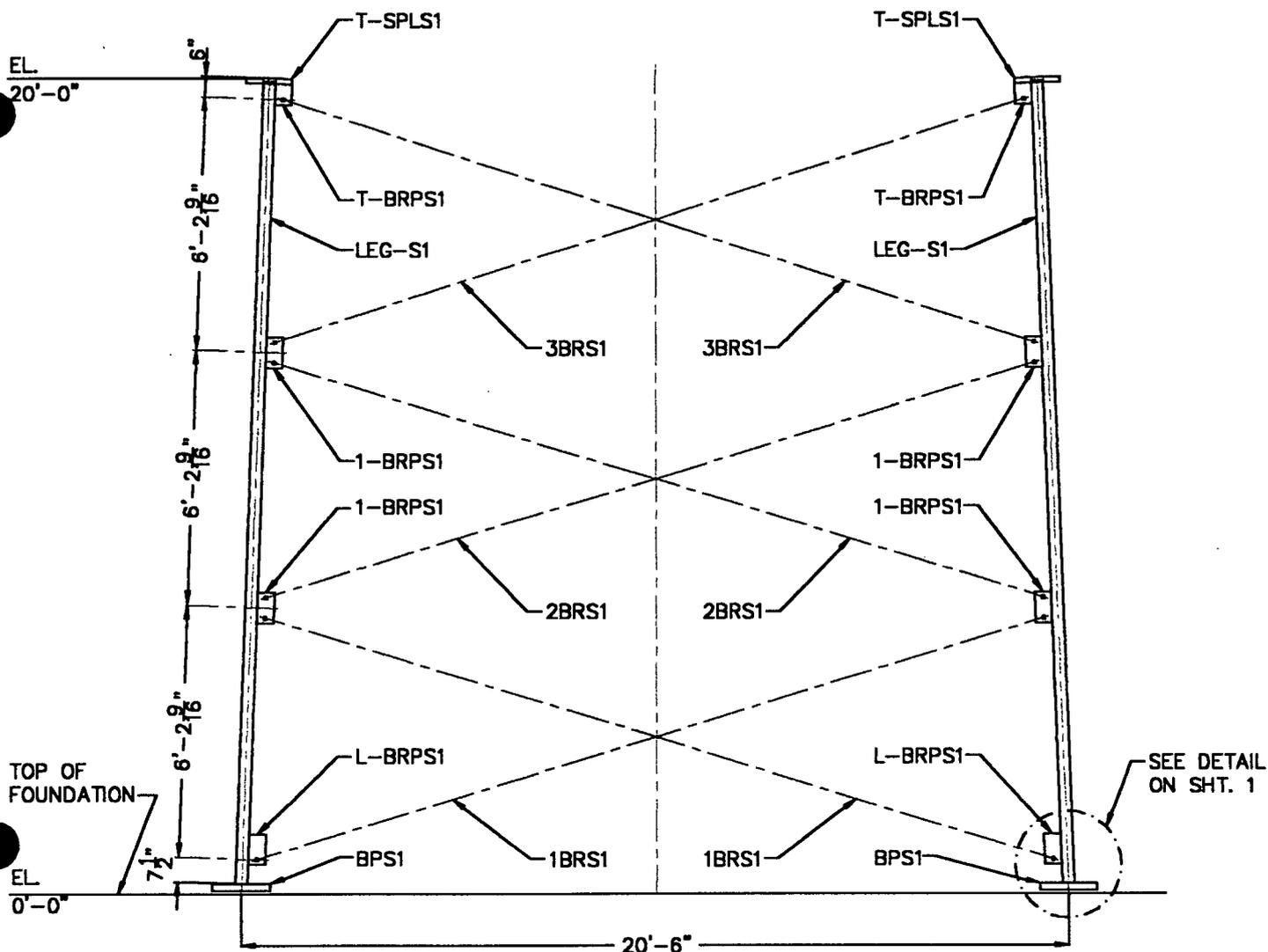
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K.A.C.
1/89

FOR: 300' SELF SUPPORTING TOWER
KENTUCKY CELLULAR
BETHANY, BREATHITT CO., KY.

JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141A1N

SHT. NO.
7



SECTION ONE (1) ELEVATION - (3) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S1	3	3 1/2" DIA X 19'-8 7/16" ASTM A588
BP-S1	3	PL. 17" O.D. X 2" THK.
1BRS1	6	∠ 3 1/2" X 3 1/2" X 1/4" 20'-7 11/16" LENGTH
2BRS1	6	∠ 3 1/2" X 3 1/2" X 1/4" 20'-1 3/8" LENGTH
3BRS1	6	∠ 3 1/2" X 3 1/2" X 1/4" 19'-8 13/16" LENGTH
L-BRPS1	6	PL. 9" X 5" X 3/8"
1-BRPS1	12	PL. 9" X 5" X 3/8"
T-BRPS1	6	PL. 6" X 5" X 3/8"
T-SPLS1	3	PL. 13 1/2" O.D. X 1 1/2" THK.
SPLICE PL. BOLTS (TOP)	18	1 1/4" DIA. X 5 1/2" LG. (B.N.W.)
BRACE PLATE BOLTS	36	7/8" DIA. X 2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	9	7/8" DIA. X 2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	9	7/8" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

1. ALL NUTS INCLUDE ONE WASHER AND ONE LOCK WASHER (TYPICAL ALL SECTIONS)
2. ALL BOLTS TO HAVE STD. NUTS

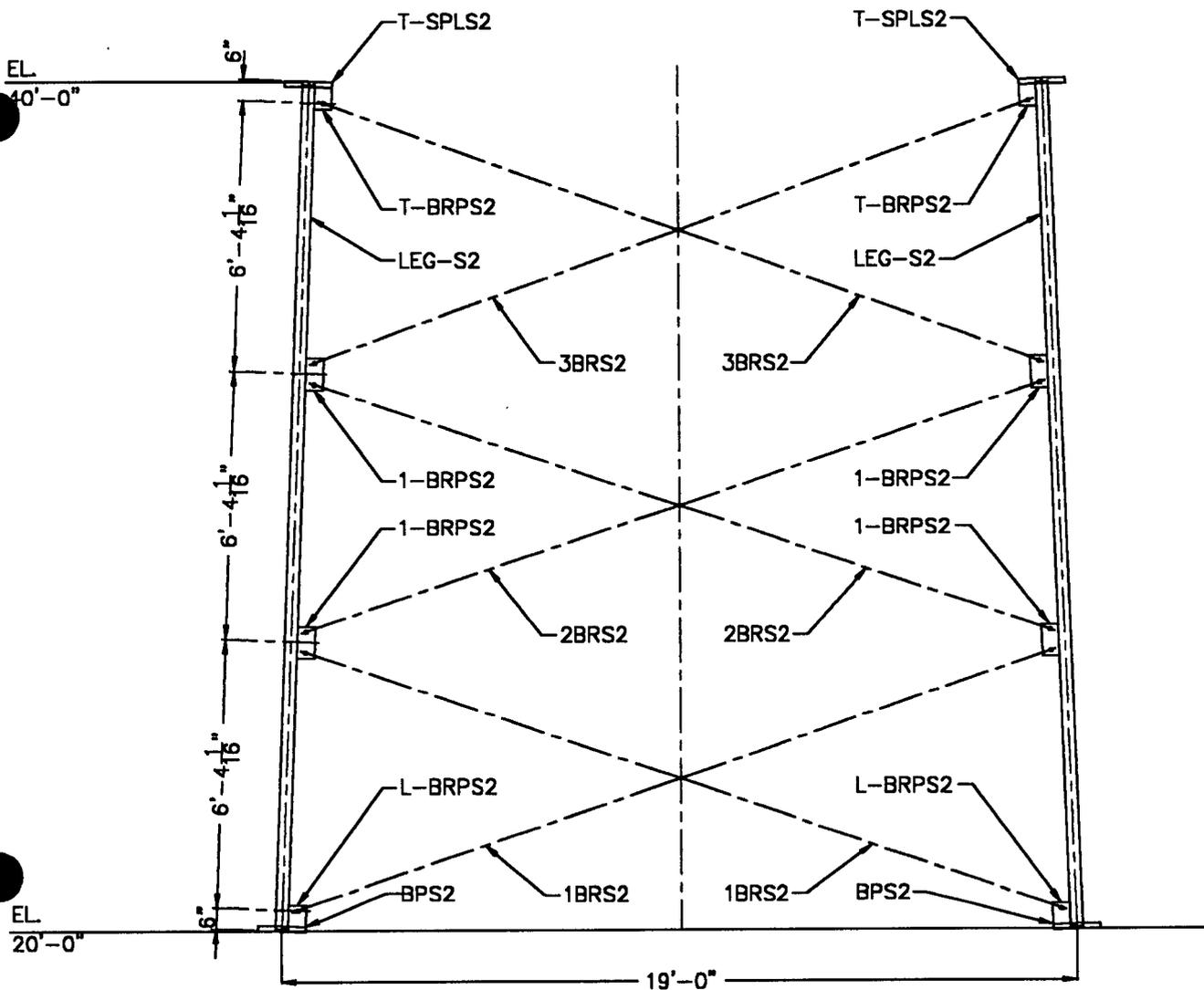


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K.A.C.	FOR: 300' SELF SUPPORTING TOWER
1/89	KENTUCKY CELLULAR
	BETHANY, BREATHITT CO., KY.
	JOB NO. S141
	SECTION WEIGHT: X
	FILE NAME: 141S1

SHT. NO.
8



SECTION TWO (2) ELEVATION - (3) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S2	3	3 1/2" DIA X 19'-10 11/16" ASTM A588
BP-S2	3	PL. 13 1/2" O.D. X 1 1/2" THK.
1BRS2	6	∠ 3" X 3" X 3/16" 19'-3 5/16" LENGTH
2BRS2	6	∠ 3" X 3" X 3/16" 18'-8 13/16" LENGTH
3BRS2	6	∠ 3" X 3" X 3/16" 18'-4 5/16" LENGTH
L-BRPS2	6	PL. 6" X 5" X 1/4"
1-BRPS2	12	PL. 9" X 5" X 1/4"
T-BRPS2	6	PL. 6" X 5" X 1/4"
T-SPLS2	3	PL. 13 1/2" O.D. X 1 1/2" THK.
SPLICE PL. BOLTS (TOP)	18	1 1/4" DIA. X 5 1/2" LG. (B.N.W.)
BRACE PLATE BOLTS	36	3/4" DIA. X 2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	9	3/4" DIA. X 2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	9	3/4" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

1. ALL NUTS INCLUDE ONE WASHER AND ONE LOCK WASHER (TYPICAL ALL SECTIONS)
2. ALL BOLTS TO HAVE STD. NUTS



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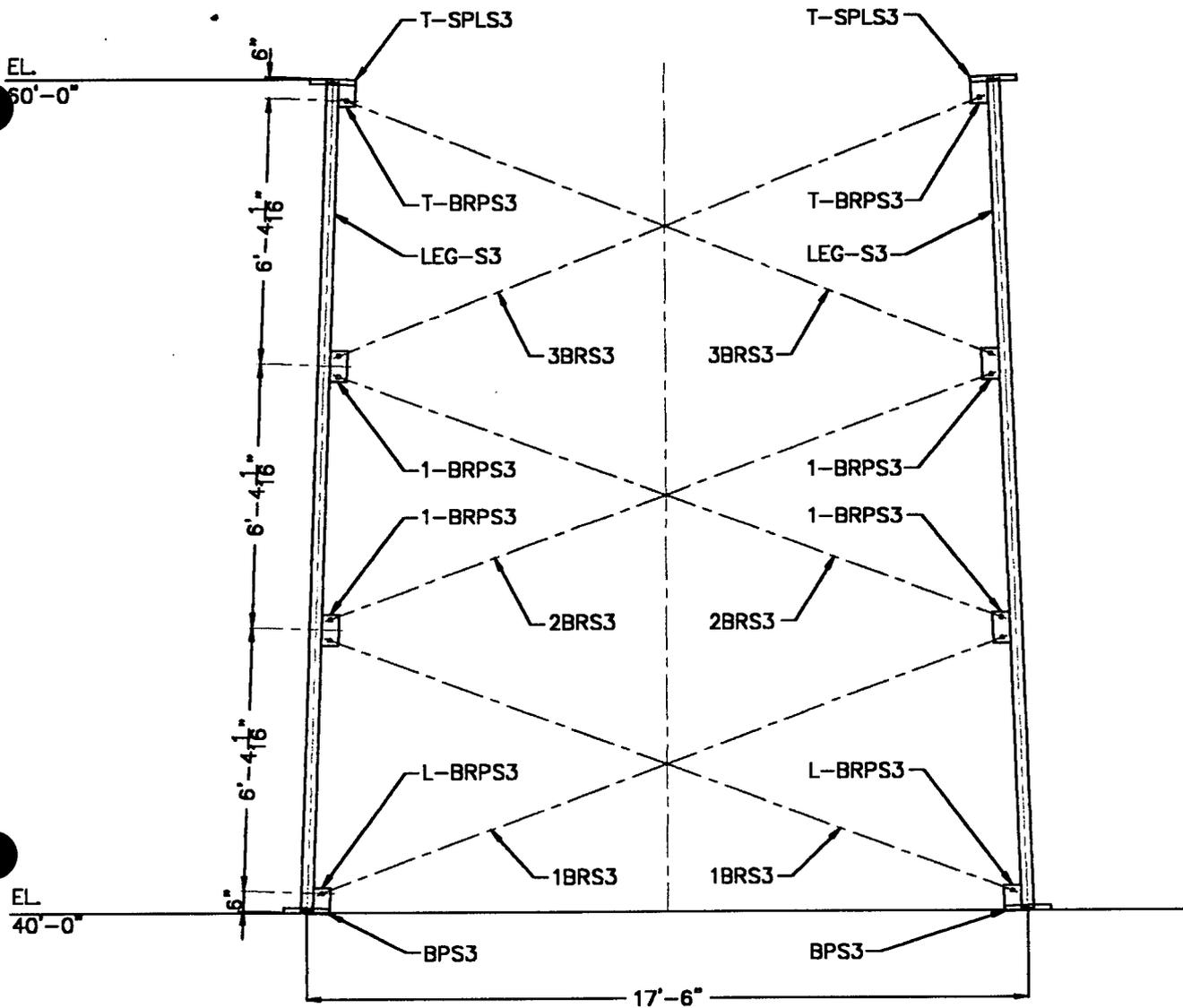
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DATE	K.A.C.
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KENTUCKY CELLULAR
BETHANY, BREATHITT CO., KY.

JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141S2

SHT. NO.
9



SECTION THREE (3) ELEVATION - (3) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S3	3	3 1/2" DIA X 19'-10 11/16" ASTM A588
BP-S3	3	PL 13 1/2" O.D. X 1 1/2" THK.
1BRS3	6	∠ 3" X 3" X 3/16" 17'-10 5/16" LENGTH
2BRS3	6	∠ 3" X 3" X 3/16" 17'-3 13/16" LENGTH
3BRS3	6	∠ 3" X 3" X 3/16" 16'-11 7/16" LENGTH
L-BRPS3	6	PL 6" X 5" X 1/4"
1-BRPS3	12	PL 9" X 5" X 1/4"
T-BRPS3	6	PL 6" X 5" X 1/4"
T-SPLS3	3	PL 13 1/2" O.D. X 1 1/2" THK.
SPLICE PL. BOLTS (TOP)	18	1 1/4" DIA. X 5" LG. (B.N.W.)
BRACE PLATE BOLTS	36	3/4" DIA. X 2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	9	3/4" DIA. X 2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	9	3/4" DIA. STD. WASHER

LEGEND:
B=BOLT
W=WASHER

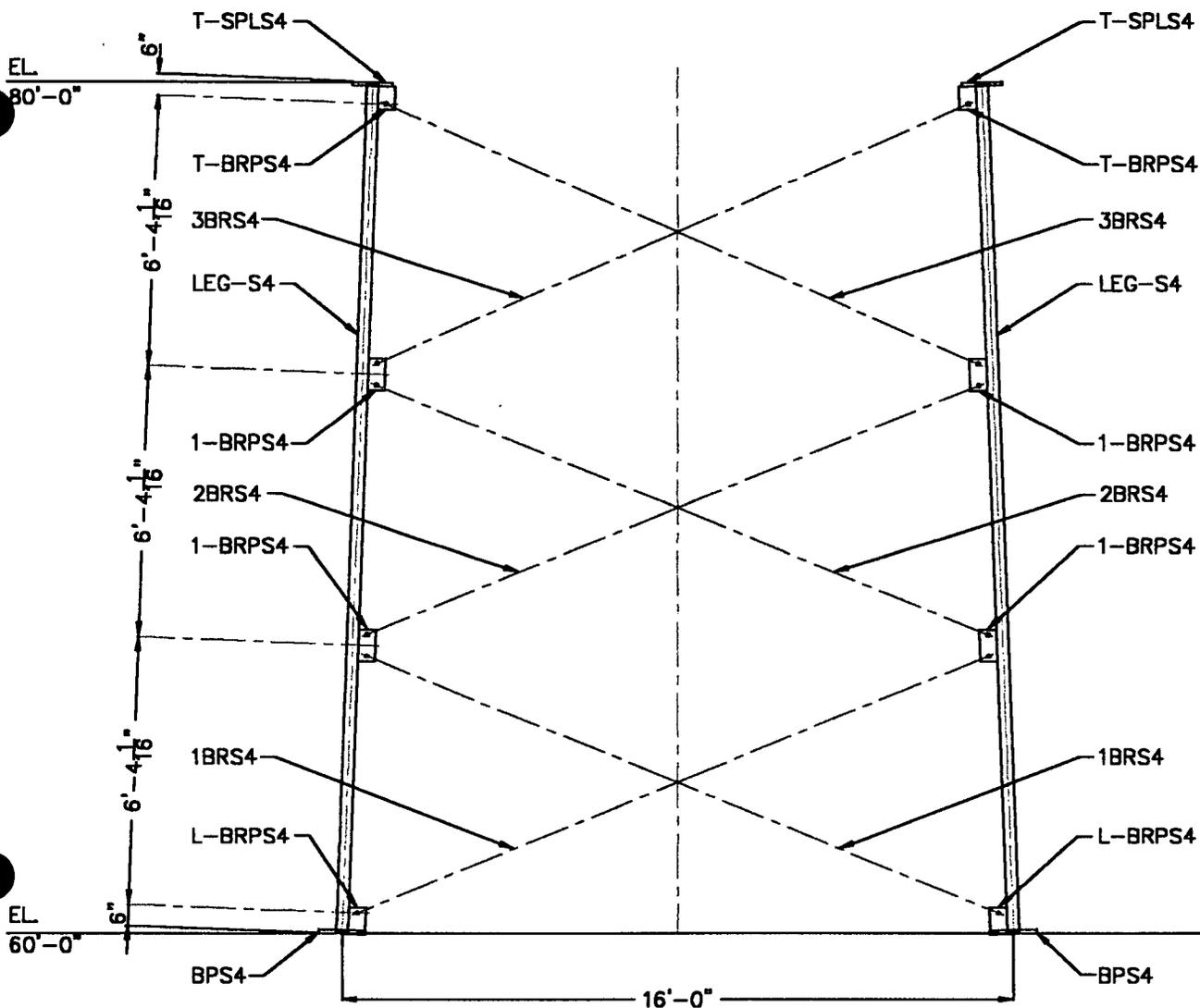
NOTE:
1. ALL NUTS INCLUDE ONE WASHER AND ONE LOCK WASHER (TYPICAL ALL SECTIONS)
2. ALL BOLTS TO HAVE STD. NUTS

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1/99	
	JOB NO. S141
	SECTION WEIGHT: X
	FILE NAME: 141S3

SHT. NO.
10



SECTION FOUR (4) ELEVATION - (3) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S4	3	3 1/4" DIA X 19'-11 3/16" ASTMA588
BP-S4	3	PL 13 1/2" O.D. X 1" THK.
1BRS4	6	∠ 2 1/2" X 2 1/2" X 3/16" 16'-5 3/4" LENGTH
2BRS4	6	∠ 2 1/2" X 2 1/2" X 3/16" 15'-11 1/4" LENGTH
3BRS4	6	∠ 2 1/2" X 2 1/2" X 3/16" 15'-7 1/16" LENGTH
L-BRPS4	6	PL 6 1/2" X 5" X 1/4"
1-BRPS4	12	PL 9" X 5" X 1/4"
T-BRPS4	6	PL 6 1/2" X 5" X 1/4"
T-SPLS4	3	PL 11 1/2" O.D. X 1" THK.
SPLICE PL BOLTS (TOP)	18	1" DIA. X 4" LG. (B.N.W.)
BRACE PLATE BOLTS	36	3/4" DIA. X 2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	9	3/4" DIA. X 2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	9	3/4" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

1. ALL NUTS INCLUDE ONE WASHER AND ONE LOCK WASHER (TYPICAL ALL SECTIONS)
2. ALL BOLTS TO HAVE STD. NUTS



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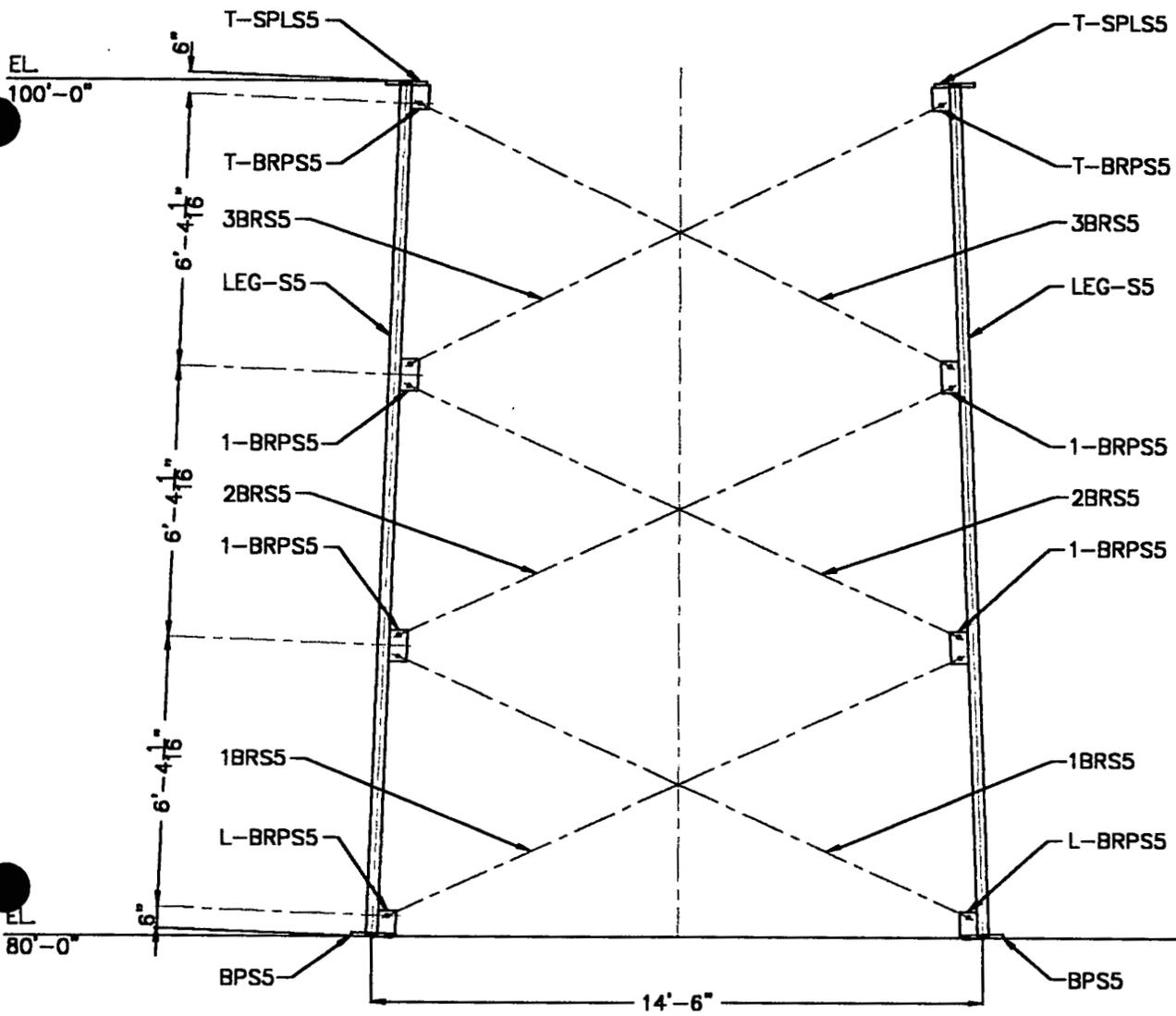
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FOR: 300' SELF SUPPORTING TOWER
KENTUCKY CELLULAR
BETHANY, BREATHITT CO., KY.

JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141S4

SHT. NO.
11



SECTION FIVE (5) ELEVATION - (3) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S5	3	3 1/4" DIA X 19'-11 3/16" ASTMA588
BP-S5	3	PL 11 1/2" O.D. X 1" THK.
1BRSS	6	∠ 2 1/2" X 2 1/2" X 3/16" 15'-1 3/16" LENGTH
2BRSS	6	∠ 2 1/2" X 2 1/2" X 3/16" 14'-6 11/16" LENGTH
3BRSS	6	∠ 2 1/2" X 2 1/2" X 3/16" 14'-2 11/16" LENGTH
L-BRPS5	6	PL 6 1/2" X 5" X 1/4"
1-BRPS5	12	PL 9" X 5" X 1/4"
T-BRPS5	6	PL 6 1/2" X 5" X 1/4"
T-SPLS5	3	PL 11 1/2" O.D. X 1" THK.
SPLICE PL. BOLTS (TOP)	18	1" DIA. X 4" LG. (B.N.W.)
BRACE PLATE BOLTS	36	3/4" DIA. X 2" LG. (B.N.W.)
G. BOLTS @ CTR.	9	3/4" DIA. X 2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	9	3/4" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

1. ALL NUTS INCLUDE ONE WASHER AND ONE LOCK WASHER (TYPICAL ALL SECTIONS)
2. ALL BOLTS TO HAVE STD. NUTS

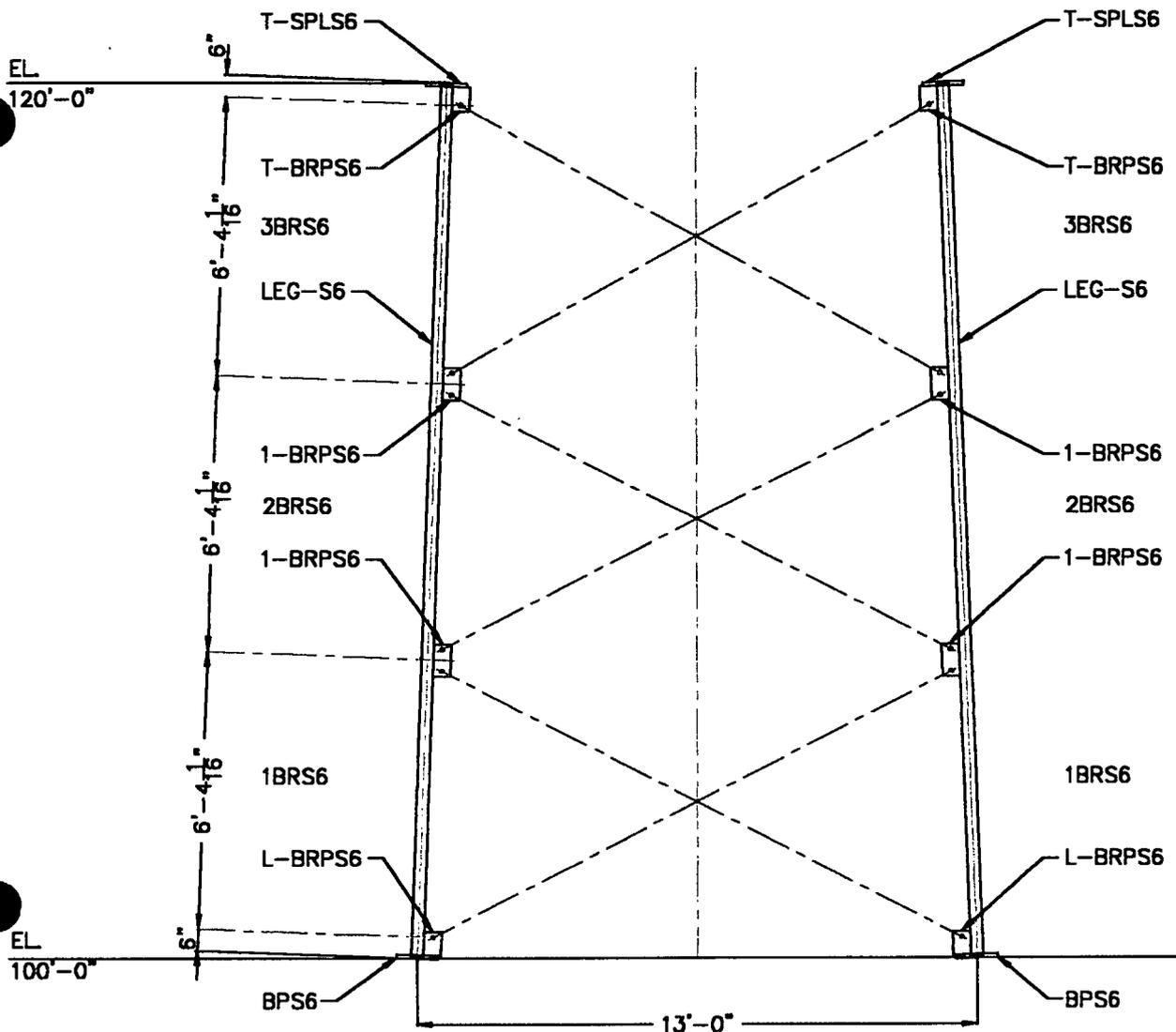


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K.A.C.	FOR: 300' SELF SUPPORTING TOWER
1/99	KENTUCKY CELLULAR
	BETHANY, BREATHITT CO., KY.
	JOB NO. S141
	SECTION WEIGHT: X
	FILE NAME: 141S5

SHT. NO.
12



SECTION SIX (6) ELEVATION - (3) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S6	3	3 1/4" DIA X 19'-11 3/16" ASTMA588
BP-S6	3	PL 11 1/2" O.D. X 1" THK.
1BRS6	6	Z 2" X 2" X 3/16" 13'-8 15/16" LENGTH
2BRS6	6	Z 2" X 2" X 3/16" 13'-2 7/16" LENGTH
3BRS6	6	Z 2" X 2" X 3/16" 12'-10 11/16" LENGTH
L-BRPS6	6	PL 6 1/2" X 5" X 1/4"
1-BRPS6	12	PL. 9" X 5" X 1/4"
T-BRPS6	6	PL 6 1/2" X 5" X 1/4"
T-SPLS6	3	PL 11 1/2" O.D. X 1" THK.
SPLICE PL. BOLTS (TOP)	18	1" DIA. X 4" LG. (B.N.W.)
BRACE PLATE BOLTS	36	5/8" DIA. X 2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	9	5/8" DIA. X 2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	9	5/8" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

1. ALL NUTS INCLUDE ONE WASHER AND ONE LOCK WASHER (TYPICAL ALL SECTIONS)
2. ALL BOLTS TO HAVE STD. NUTS

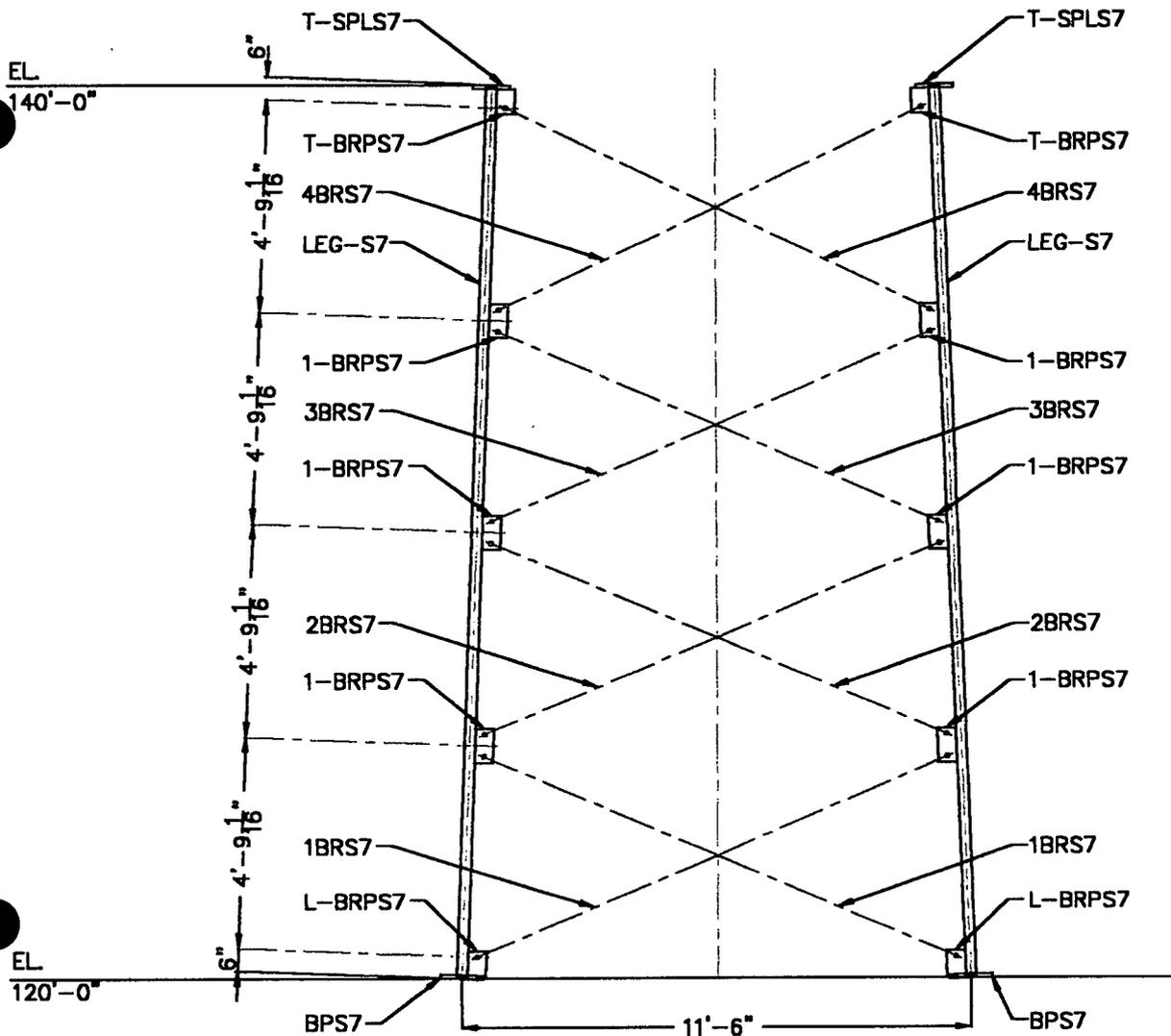


UNIVERSAL TOWER INC.

P.O. BOX 276
Henderson, Kentucky 42419-0276
Phone (502) 533-5151 FAX (502) 533-1479

K.A.C.	FOR: 300' SELF SUPPORTING TOWER
1/99	KENTUCKY CELLULAR
	BETHANY, BREATHITT CO., KY.
	JOB NO. S141
	SECTION WEIGHT: X
	FILE NAME: 141S8

SHT. NO.
13



SECTION SEVEN (7) ELEVATION - (4) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S7	3	2 3/4" DIA X 19'-11 3/16" ASTMA588
BP-S7	3	PL. 11 1/2" O.D. X 1" THK.
1BR7	6	∠ 2" X 2" X 3/16" 11'-9 3/4" LENGTH
2BR7	6	∠ 2" X 2" X 3/16" 11'-4 1/2" LENGTH
3BR7	6	∠ 2" X 2" X 3/16" 11'-0 9/16" LENGTH
4BR7	6	∠ 2" X 2" X 3/16" 10'-9 13/16" LENGTH
L-BRPS7	6	PL. 6 1/2" X 5" X 1/4"
1-BRPS7	18	PL. 9" X 5" X 1/4"
T-BRPS7	6	PL. 6 1/2" X 5" X 1/4"
T-SPLS7	3	PL. 10" O.D. X 1" THK.
SPLICE PL. BOLTS (TOP)	18	1" DIA. X 4" LG. (B.N.W.)
BRACE PLATE BOLTS	48	5/8" DIA. X 2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	12	5/8" DIA. X 2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	12	5/8" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

1. ALL NUTS INCLUDE ONE WASHER AND ONE LOCK WASHER (TYPICAL ALL SECTIONS)
2. ALL BOLTS TO HAVE STD. NUTS

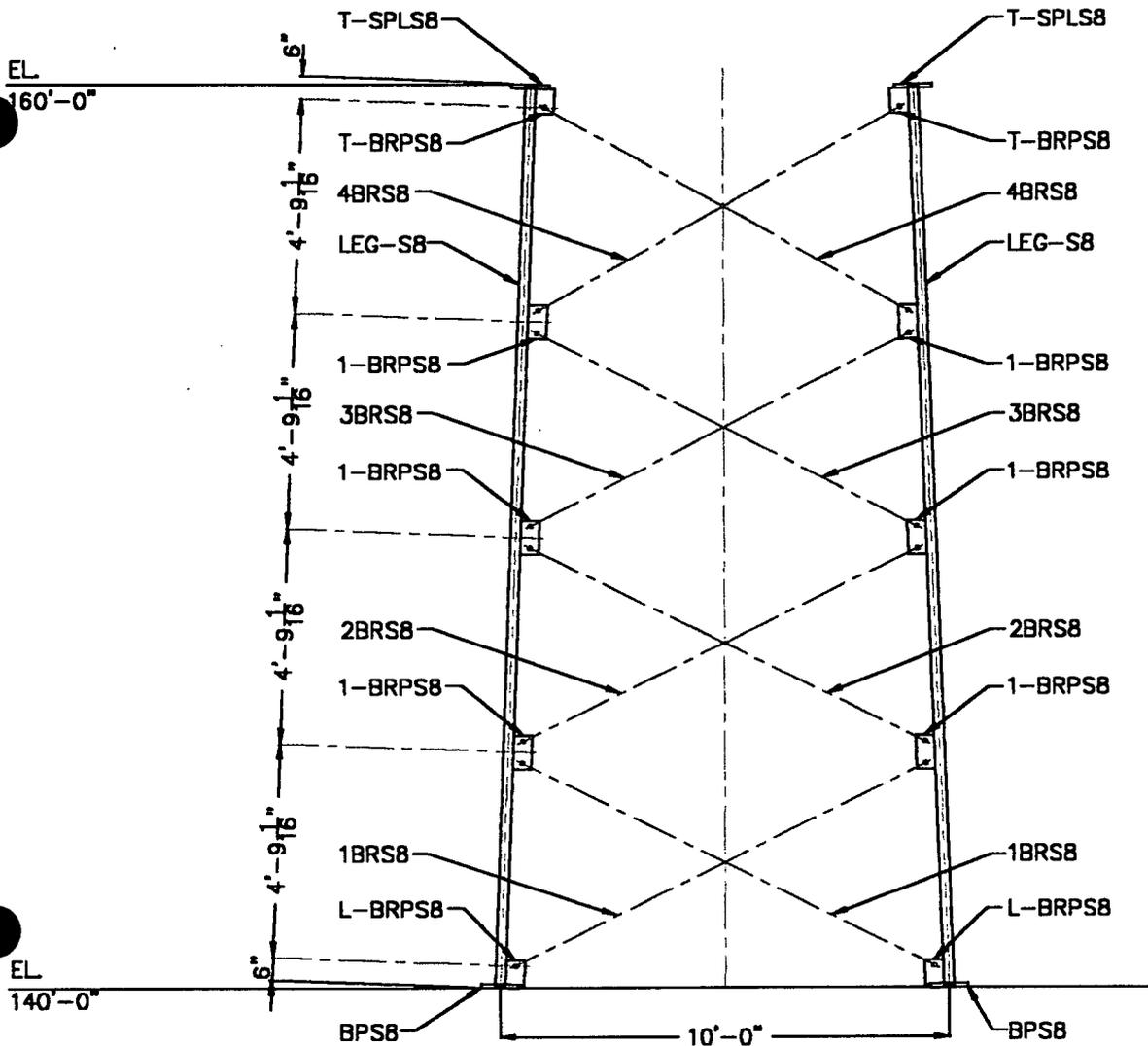


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1/99	KENTUCKY CELLULAR
	BETHANY, BREATHITT CO., KY.
	JOB NO. S141
	SECTION WEIGHT: X
	FILE NAME: 14157

SHT. NO.
14



SECTION EIGHT (8) ELEVATION - (4) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S8	3	2 3/4" DIA X 19'-11 3/16" ASTMA588
BP-S8	3	PL. 10" O.D. X 1" THK.
1BRS8	6	∠ 1 3/4" X 1 3/4" X 3/16" 10'-5 3/8" LENGTH
2BRS8	6	∠ 1 3/4" X 1 3/4" X 3/16" 10'-0 1/16" LENGTH
3BRS8	6	∠ 1 3/4" X 1 3/4" X 3/16" 9'-8 1/4" LENGTH
4BRS8	6	∠ 1 3/4" X 1 3/4" X 3/16" 9'-5 13/16" LENGTH
L-BRPS8	6	PL. 6 1/2" X 5" X 1/4"
1-BRPS8	18	PL. 9" X 5" X 1/4"
T-BRPS8	6	PL. 6 1/2" X 5" X 1/4"
T-SPLS8	3	PL. 10" O.D. X 1" THK.
SPLICE PL. BOLTS (TOP)	18	1" DIA. X 4" LG. (B.N.W.)
BRACE PLATE BOLTS	48	1/2" DIA. X 1 1/2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	12	1/2" DIA. X 1 1/2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	12	1/2" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

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2. ALL BOLTS TO HAVE STD. NUTS

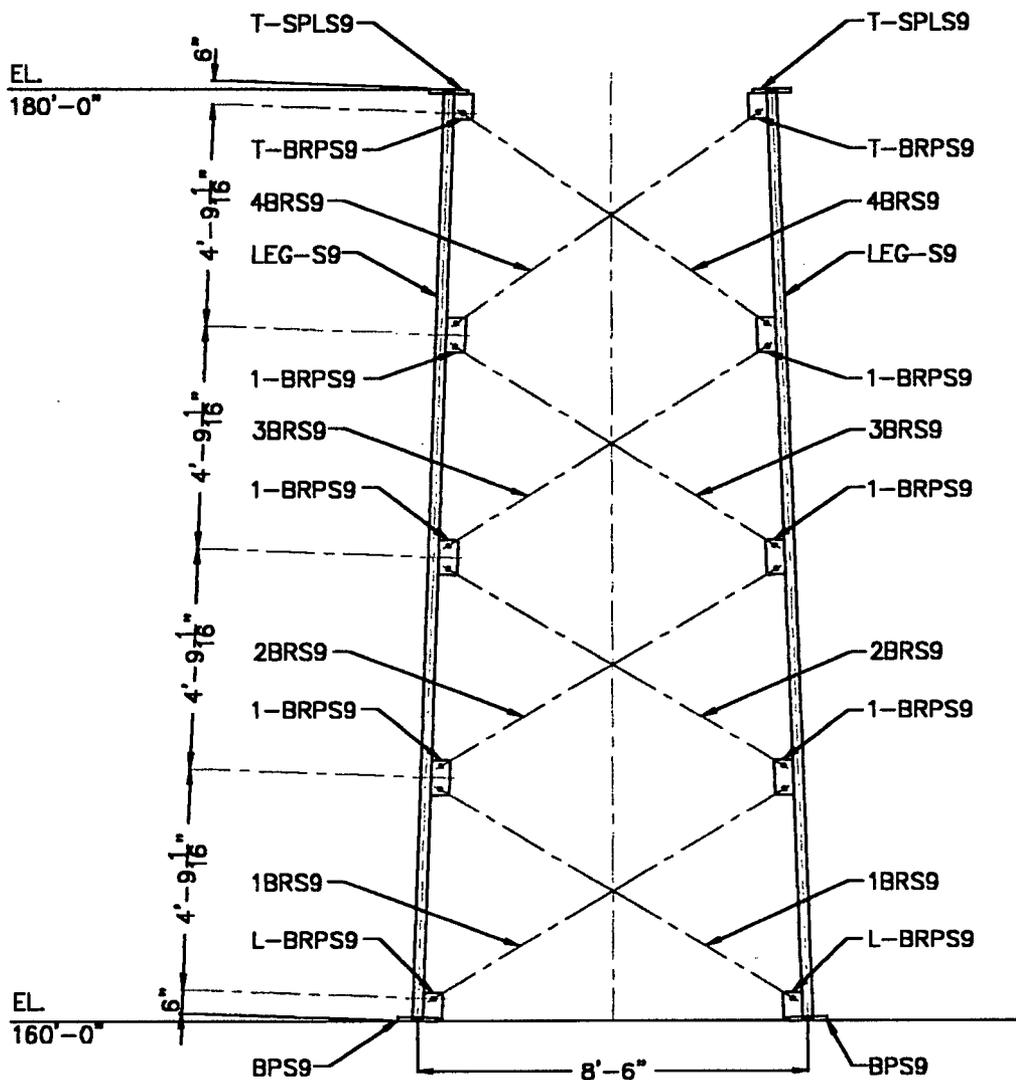


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	BETHANY, BREATHITT CO., KY.
	JOB NO. S141
	SECTION WEIGHT: X
	FILE NAME: 1415B

SHT. NO.
15



SECTION NINE (9) ELEVATION - (4) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S9	3	2 3/4" DIA X 19'-11 3/16" ASTMA588
BP-S9	3	PL 10" O.D. X 1" THK.
1BRS9	6	∠ 1 3/4" X 1 3/4" X 3/16" 9'-1 1/2" LENGTH
2BRS9	6	∠ 1 3/4" X 1 3/4" X 3/16" 8'-8 3/16" LENGTH
3BRS9	6	∠ 1 3/4" X 1 3/4" X 3/16" 8'-4 1/2" LENGTH
4BRS9	6	∠ 1 3/4" X 1 3/4" X 3/16" 8'-2 1/2" LENGTH
L-BRPS9	6	PL 6 1/2" X 5" X 1/4"
1-BRPS9	18	PL 9" X 5" X 1/4"
T-BRPS9	6	PL 6 1/2" X 5" X 1/4"
T-SPLS9	3	PL 10" O.D. X 1" THK.
SPLICE PL BOLTS (TOP)	18	3/4" DIA. X 3 1/2" LG. (B.N.W.)
BRACE PLATE BOLTS	48	1/2" DIA. X 1 1/2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	12	1/2" DIA. X 1 1/2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	12	1/2" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

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2. ALL BOLTS TO HAVE STD. NUTS

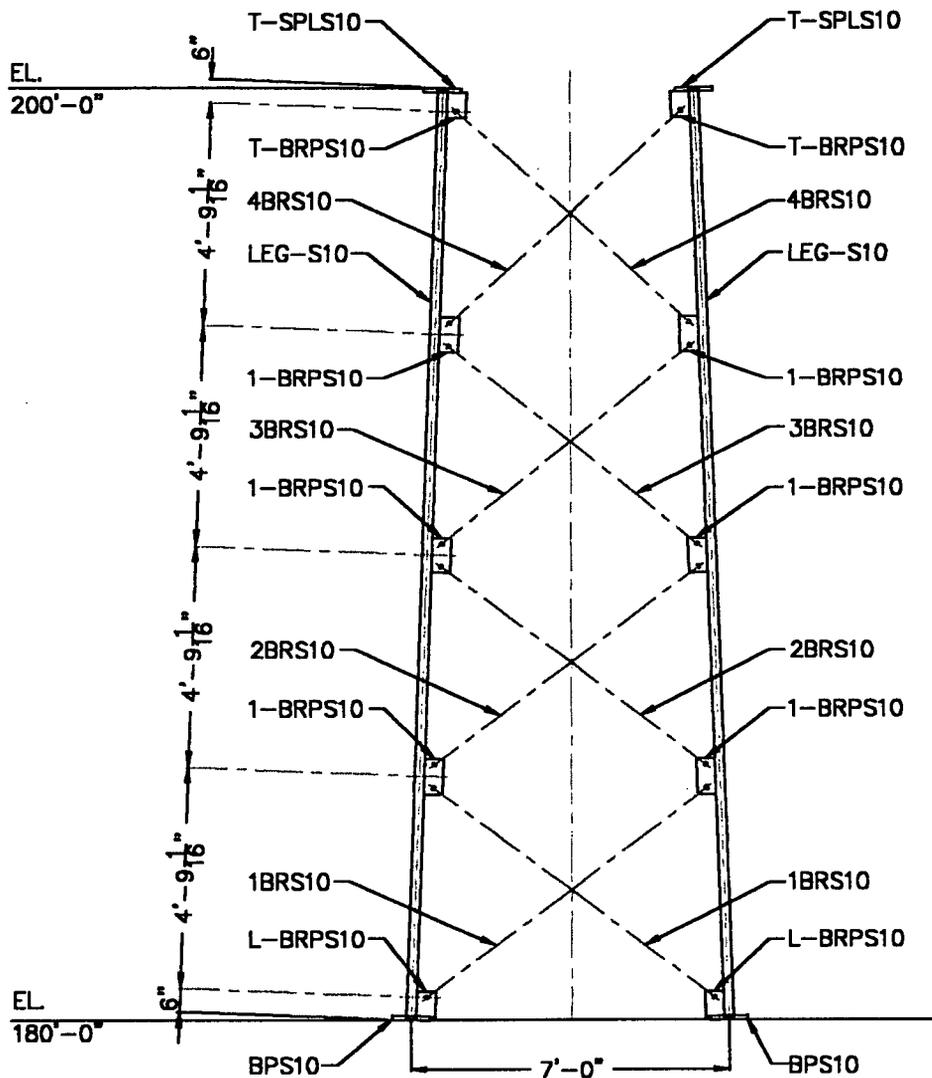


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	BETHANY, BREATHITT CO., KY.
	JOB NO. S141
	SECTION WEIGHT: X
	FILE NAME: 141S9

SHT. NO.
16



SECTION TEN (10) ELEVATION - (4) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S10	3	2 1/2" DIA X 19'-11 3/16" ASTMA588
BP-S10	3	PL. 10" O.D. X 1" THK.
1BRS10	6	∠ 1 3/4" X 1 3/4" X 3/16" 7'-10 5/8" LENGTH
2BRS10	6	∠ 1 3/4" X 1 3/4" X 3/16" 7'-5 5/16" LENGTH
3BRS10	6	∠ 1 3/4" X 1 3/4" X 3/16" 7'-1 15/16" LENGTH
4BRS10	6	∠ 1 3/4" X 1 3/4" X 3/16" 7'-0 7/16" LENGTH
L-BRPS10	6	PL. 6 1/2" X 5" X 1/4"
1-BRPS10	18	PL. 9" X 5" X 1/4"
T-BRPS10	6	PL. 6 1/2" X 5" X 1/4"
T-SPLS10	3	PL. 10" O.D. X 1" THK.
SPLICE PL. BOLTS (TOP)	18	3/4" DIA. X 3 1/2" LG. (B.N.W.)
BRACE PLATE BOLTS	48	1/2" DIA. X 1 1/2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	12	1/2" DIA. X 1 1/2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	12	1/2" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

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2. ALL BOLTS TO HAVE STD. NUTS

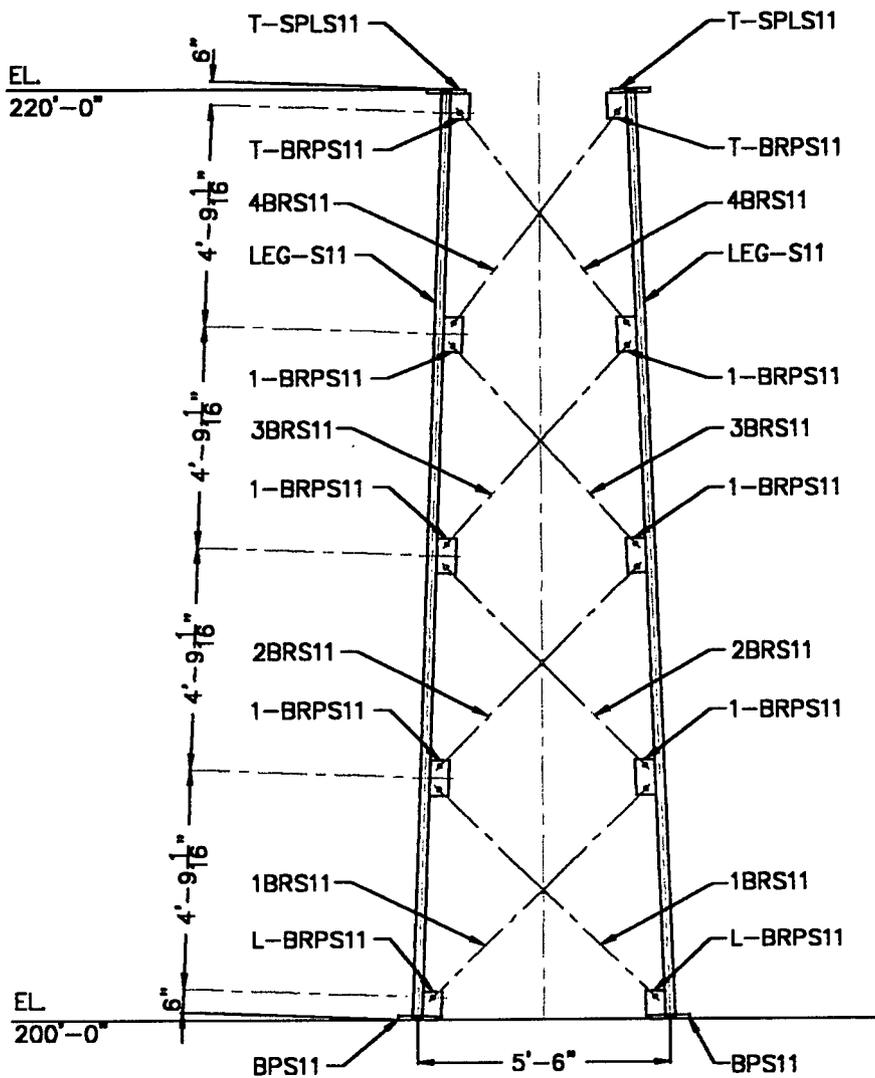


UNIVERSAL TOWER INC.

P.O. BOX 276
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Phone (502) 533-5151 FAX (502) 533-1479

K.A.C.	FOR: 300' SELF SUPPORTING TOWER
1/99	KENTUCKY CELLULAR
	BETHANY, BREATHITT CO., KY.
	JOB NO. S141
	SECTION WEIGHT: X
	FILE NAME: 141S10

SHT. NO.
17



SECTION ELEVEN (11) ELEVATION - (4) BAYS

BILL OF MATERIAL

PIECE MARK

QTY. MATERIAL

LEG-S11	3	2 1/2" DIA X 19'-11 3/16" ASTMA588
BP-S11	3	PL. 10" O.D. X 1" THK.
1BRS11	6	∠ 1 3/4" X 1 3/4" X 3/16" 6'-8 13/16" LENGTH
2BRS11	6	∠ 1 3/4" X 1 3/4" X 3/16" 6'-3 9/16" LENGTH
3BRS11	6	∠ 1 3/4" X 1 3/4" X 3/16" 6'-0 5/8" LENGTH
4BRS11	6	∠ 1 3/4" X 1 3/4" X 3/16" 6'-0" LENGTH
L-BRPS11	6	PL. 6 1/2" X 5" X 1/4"
1-BRPS11	18	PL. 9" X 5" X 1/4"
T-BRPS11	6	PL. 6 1/2" X 5" X 1/4"
T-SPLS11	3	PL. 10" O.D. X 1" THK.
SPLICE PL. BOLTS (TOP)	18	3/4" DIA. X 3 1/2" LG. (B.N.W.)
BRACE PLATE BOLTS	48	1/2" DIA. X 1 1/2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	12	1/2" DIA. X 1 1/2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	12	1/2" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

1. ALL NUTS INCLUDE ONE WASHER AND ONE LOCK WASHER (TYPICAL ALL SECTIONS)
2. ALL BOLTS TO HAVE STD. NUTS



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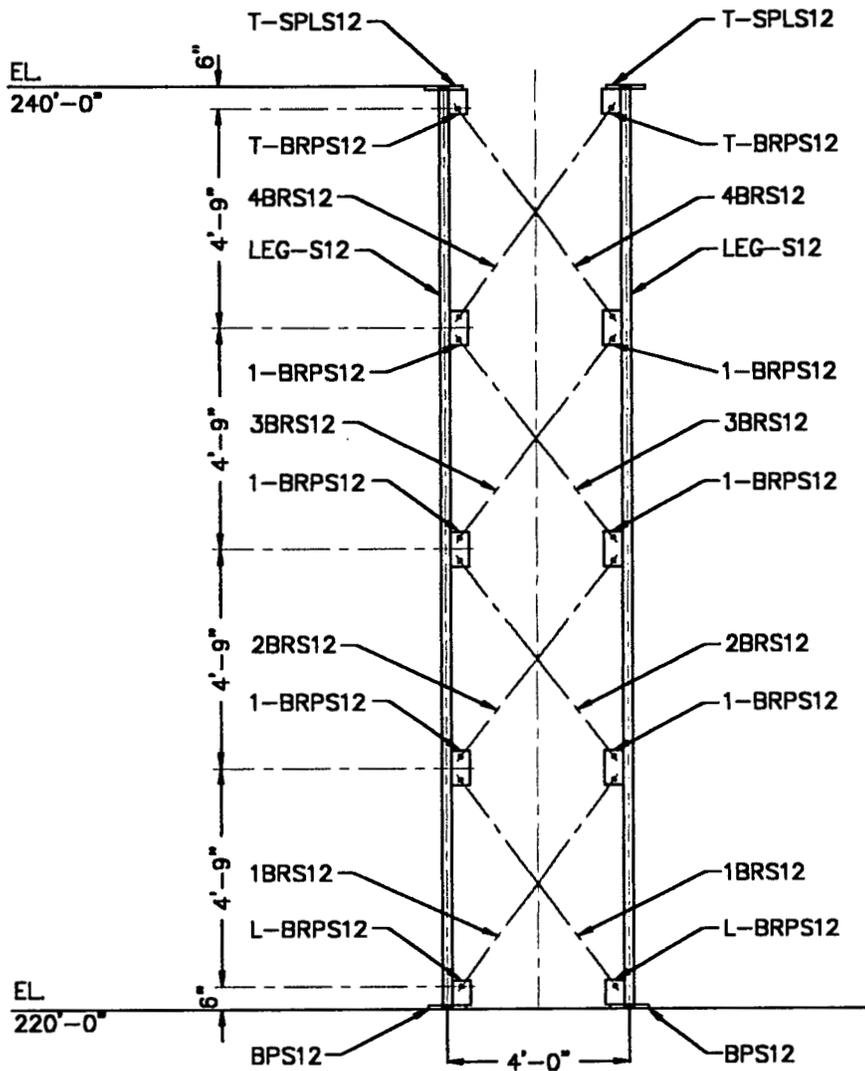
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KENTUCKY CELLULAR
BETHANY, BREATHITT CO., KY.

JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141S11

SHT. NO.
18



SECTION TWELVE (12) ELEVATION - (4) BAYS

BILL OF MATERIAL

PIECE MARK QTY. MATERIAL

LEG-S12	3	2 1/2" DIA X 19'-11" ASTM A588
BP-S12	3	PL. 10" O.D. X 1" THK.
1BRS12	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-10 1/2" LENGTH
2BRS12	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-8 1/8" LENGTH
3BRS12	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-8 1/8" LENGTH
4BRS12	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-10 1/2" LENGTH
L-BRPS12	6	PL. 6 1/2" X 5" X 1/4"
1-BRPS12	18	PL. 9" X 5" X 1/4"
T-BRPS12	6	PL. 6 1/2" X 5" X 1/4"
T-SPLS12	3	PL. 10" O.D. X 1" THK.
SPLICE PL. BOLTS (TOP)	18	3/4" DIA. X 3 1/2" LG. (B.N.W.)
BRACE PLATE BOLTS	48	1/2" DIA. X 1 1/2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	12	1/2" DIA. X 1 1/2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	12	1/2" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

1. ALL NUTS INCLUDE ONE WASHER AND ONE LOCK WASHER (TYPICAL ALL SECTIONS)
2. ALL BOLTS TO HAVE STD. NUTS



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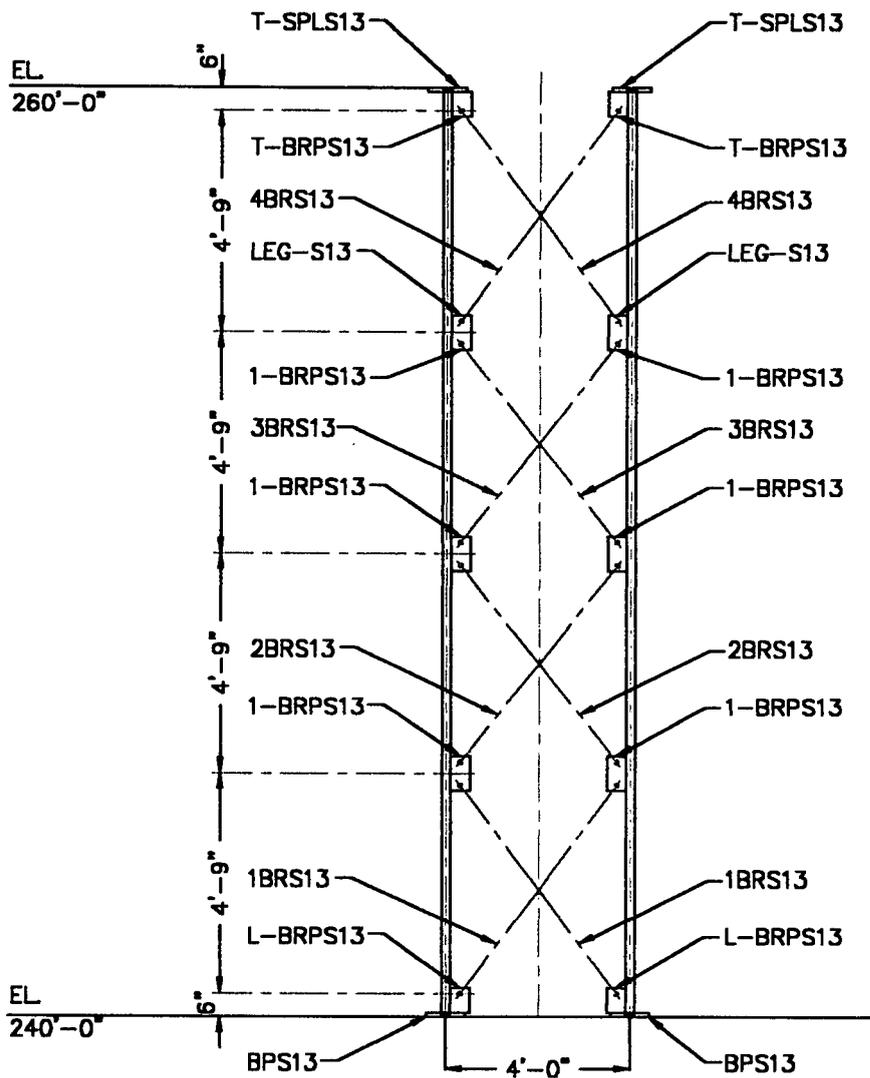
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FOR: 300' SELF SUPPORTING TOWER
KENTUCKY CELLULAR
BETHANY, BREATHITT CO., KY.

JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141S12

SHT. NO.
19



SECTION THIRTEEN (13) ELEVATION - (4) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S13	3	2 1/4" DIA X 19'-11" ASTM A588
BP-S13	3	PL. 10" O.D. X 1" THK.
1BRS13	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-10 5/8" LENGTH
2BRS13	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-8 1/4" LENGTH
3BRS13	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-8 1/4" LENGTH
4BRS13	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-10 5/8" LENGTH
L-BRPS13	6	PL. 6 1/2" X 5" X 1/4"
1-BRPS13	18	PL. 9" X 5" X 1/4"
T-BRPS13	6	PL. 6 1/2" X 5" X 1/4"
T-SPLS13	3	PL. 10" O.D. X 1" THK.
SPLICE PL. BOLTS (TOP)	12	5/8" DIA. X 3 1/2" LG. (B.N.W.)
BRACE PLATE BOLTS	48	1/2" DIA. X 1 1/2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	12	1/2" DIA. X 1 1/2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	12	1/2" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

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2. ALL BOLTS TO HAVE STD. NUTS



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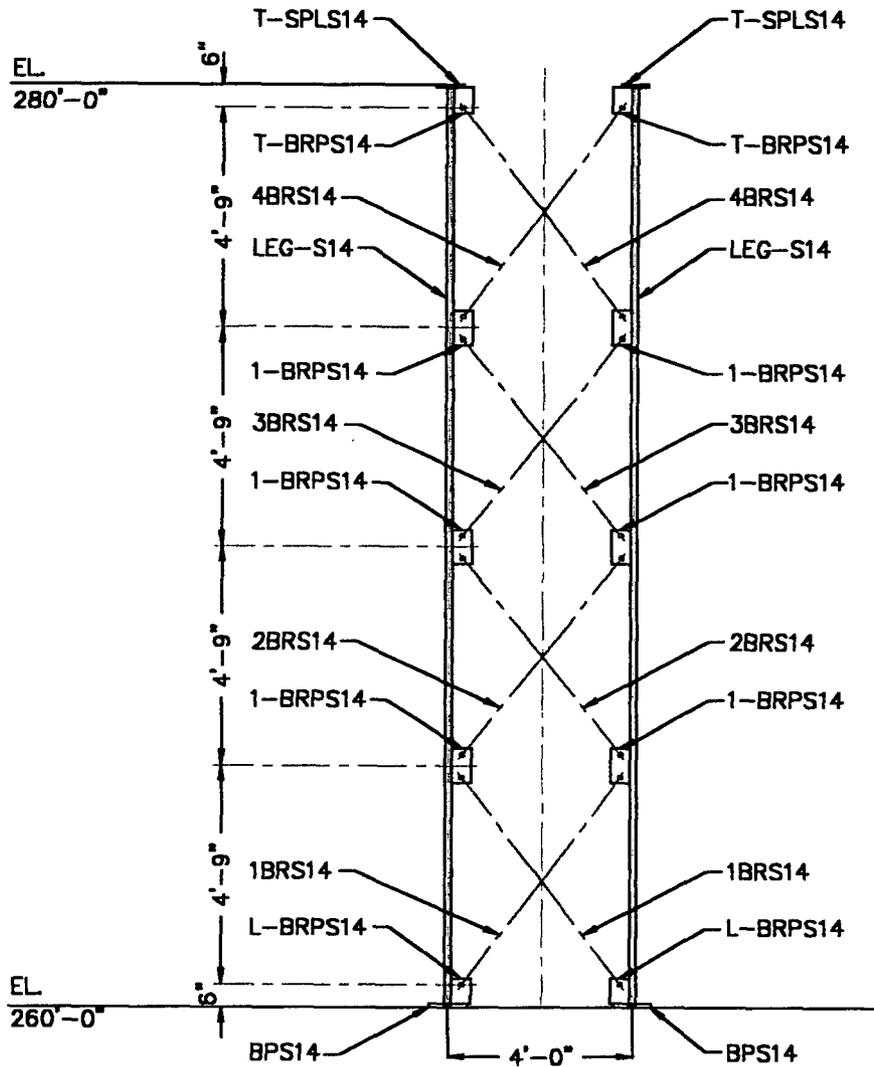
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FOR: 300' SELF SUPPORTING TOWER
KENTUCKY CELLULAR
BETHANY, BREATHITT CO., KY.

JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141S13

SHT. NO.
20



SECTION FOURTEEN (14) ELEVATION - (4) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S14	3	1 3/4" DIA X 19'-11 1/8" ASTMA588
BP-S14	3	PL. 10" O.D. X 1" THK.
1BRS14	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-10 15/16" LENGTH
2BRS14	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-8 5/8" LENGTH
3BRS14	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-8 5/8" LENGTH
4BRS14	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-10 15/16" LENGTH
L-BRPS14	6	PL. 6 1/2" X 5" X 1/4"
1-BRPS14	18	PL. 9" X 5" X 1/4"
T-BRPS14	6	PL. 6 3/4" X 5" X 1/4"
T-SPLS14	3	PL. 7" O.D. X 3/4" THK.
SPLICE PL. BOLTS (TOP)	12	5/8" DIA. X 2 1/2" LG. (B.N.W.)
BRACE PLATE BOLTS	48	1/2" DIA. X 1 1/2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	12	1/2" DIA. X 1 1/2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	12	1/2" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

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2. ALL BOLTS TO HAVE STD. NUTS



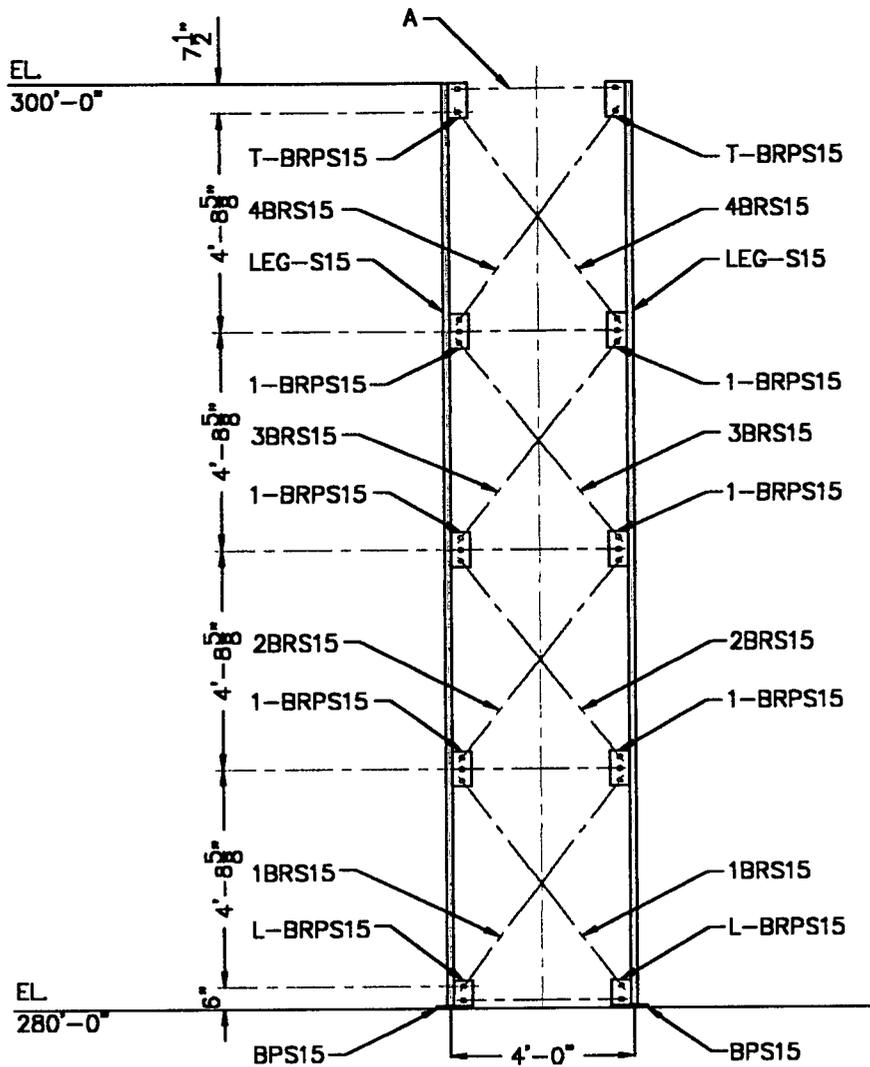
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FOR: 300' SELF SUPPORTING TOWER
KENTUCKY CELLULAR
BETHANY, BREATHTITT CO., KY.
JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141S14

SHT. NO.
21



SECTION FIFTEEN (15) ELEVATION - (4) BAYS

BILL OF MATERIAL

PIECE MARK	QTY.	MATERIAL
LEG-S15	3	1 3/4" DIA X 19'-11 5/8" ASTMA588
BP-S15	3	PL. 7" O.D. X 3/4" THK.
1BRS15	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-10 5/8" LENGTH
2BRS15	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-8 5/16" LENGTH
3BRS15	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-8 5/8" LENGTH
4BRS15	6	∠ 1 3/4" X 1 3/4" X 3/16" 5'-10 5/8" LENGTH
A	15	∠ 1 3/4" X 1 3/4" X 3/16" 3'-8 1/4" LENGTH
L-BRPS15	6	PL. 6 3/4" X 5" X 1/4"
1-BRPS15	18	PL. 9" X 5" X 1/4"
T-BRPS15	6	PL. 9" X 5" X 1/4"
BRACE PLATE BOLTS	78	1/2" DIA. X 1 1/2" LG. (B.N.W.)
DIAG. BOLTS @ CTR.	12	1/2" DIA. X 1 1/2" LG. (B.N.W.)
SPACER @ DIAG. CTR.	12	1/2" DIA. STD. WASHER

LEGEND:

B=BOLT
W=WASHER

NOTE:

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2. ALL BOLTS TO HAVE STD. NUTS



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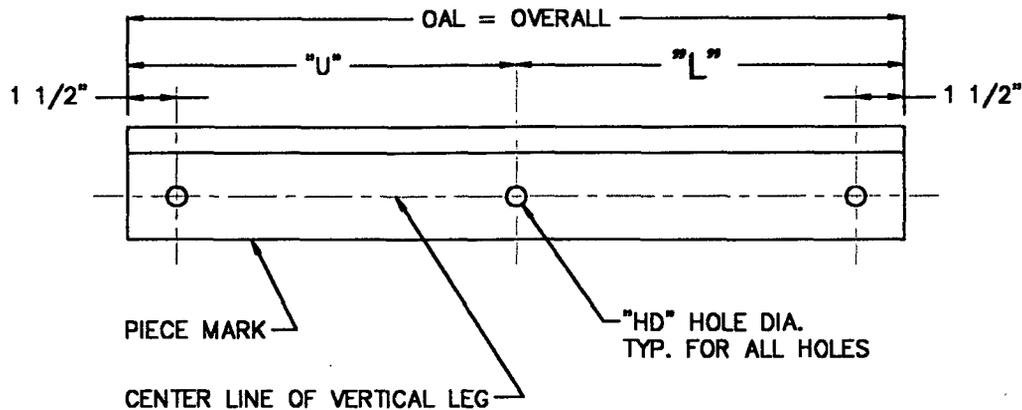
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BETHANY, BREATHITT CO., KY.
JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141S15

SHT. NO.
22

USE "L" MEASUREMENT FOR CENTER HOLE



DIAGONAL BRACING TYPICAL DETAILS

(6) EACH BRACE REQUIRED

PIECE MARK	OAL	"U"	"L"	"HD"	PIECE MARK	OAL	"U"	"L"	"HD"
1BRS1	20'-7 11/16"	10'-5 1/4"	10'-2 7/16"	15/16"	1BRS10	7'-10 5/8"	4'-0 9/16"	3'-10 1/16"	9/16"
2BRS1	20'-1 3/8"	10'-2 1/16"	9'-11 3/8"	15/16"	2BRS10	7'-5 5/16"	3'-9 7/8"	3'-7 1/2"	9/16"
3BRS1	19'-8 13/16"	9'-11 13/16"	9'-9"	15/16"	3BRS10	7'-1 15/16"	3'-8 3/16"	3'-5 3/4"	9/16"
1BRS2	19'-3 5/16"	9'-9 1/8"	9'-6 3/16"	13/16"	4BRS10	7'-0 7/16"	3'-7 9/16"	3'-4 7/8"	9/16"
2BRS2	18'-8 13/16"	9'-5 13/16"	9'-3 1/16"	13/16"	1BRS11	6'-8 13/16"	3'-5 13/16"	3'-3"	9/16"
3BRS2	18'-4 5/16"	9'-3 5/8"	9'-0 11/16"	13/16"	2BRS11	6'-3 9/16"	3'-3 1/8"	3'-0 7/16"	9/16"
1BRS3	17'-10 5/16"	9'-0 5/8"	8'-9 11/16"	13/16"	3BRS11	6'-0 5/8"	3'-1 11/16"	2'-10 7/8"	9/16"
2BRS3	17'-3 13/16"	8'-9 5/16"	8'-6 1/2"	13/16"	4BRS11	6'-0"	3'-1 5/8"	2'-10 3/8"	9/16"
3BRS3	16'-11 7/16"	8'-7 3/16"	8'-4 1/4"	13/16"	1BRS12	5'-10 1/2"	2'-11 1/4"	2'-11 1/4"	9/16"
1BRS4	16'-5 3/4"	8'-4 3/8"	8'-1 7/16"	13/16"	2BRS12	5'-8 1/8"	2'-10 1/16"	2'-10 1/16"	9/16"
2BRS4	15'-11 1/4"	8'-1 1/16"	7'-10 3/16"	13/16"	3BRS12	5'-8 1/8"	2'-10 1/16"	2'-10 1/16"	9/16"
3BRS4	15'-7 1/16"	7'-11"	7'-8"	13/16"	4BRS12	5'-10 1/2"	2'-11 1/4"	2'-11 1/4"	9/16"
1BRS5	15'-1 3/16"	7'-8 1/8"	7'-5 1/8"	13/16"	1BRS13	5'-10 5/8"	2'-11 5/16"	2'-11 5/16"	9/16"
2BRS5	14'-6 11/16"	7'-4 3/4"	7'-1 7/8"	13/16"	2BRS13	5'-8 1/4"	2'-10 1/8"	2'-10 1/8"	9/16"
3BRS5	14'-2 11/16"	7'-2 7/8"	6'-11 13/16"	13/16"	3BRS13	5'-8 1/4"	2'-10 1/8"	2'-10 1/8"	9/16"
1BRS6	13'-8 15/16"	7'-0"	6'-8 15/16"	11/16"	4BRS13	5'-10 5/8"	2'-11 5/16"	2'-11 5/16"	9/16"
2BRS6	13'-2 7/16"	6'-8 11/16"	6'-5 3/4"	11/16"	1BRS14	5'-10 5/16"	2'-11 1/2"	2'-11 1/2"	9/16"
3BRS6	12'-10 11/16"	6'-6 7/8"	6'-3 3/4"	11/16"	2BRS14	5'-8 5/8"	2'-10 5/16"	2'-10 5/16"	9/16"
1BRS7	11'-9 3/4"	5'-11 15/16"	5'-9 3/4"	11/16"	3BRS14	5'-8 5/8"	2'-10 5/16"	2'-10 5/16"	9/16"
2BRS7	11'-4 1/2"	5'-9 5/16"	5'-7 1/4"	11/16"	4BRS14	5'-10 5/16"	2'-11 1/2"	2'-11 1/2"	9/16"
3BRS7	11'-0 9/16"	5'-7 5/16"	5'-5 1/4"	11/16"	1BRS15	5'-10 5/8"	2'-11 5/16"	2'-11 5/16"	9/16"
4BRS7	10'-9 13/16"	5'-6"	5'-3 13/16"	11/16"	2BRS15	5'-8 5/16"	2'-10 1/8"	2'-10 1/8"	9/16"
1BRS8	10'-5 3/8"	5'-3 13/16"	5'-1 9/16"	9/16"	3BRS15	5'-8 5/16"	2'-10 1/8"	2'-10 1/8"	9/16"
2BRS8	10'-0 1/16"	5'-1 1/8"	4'-11"	9/16"	4BRS15	5'-10 5/8"	2'-11 5/16"	2'-11 5/16"	9/16"
3BRS8	9'-8 1/4"	4'-11 3/16"	4'-9 1/16"	9/16"					
4BRS8	9'-5 13/16"	4'-10 1/16"	4'-7 3/4"	9/16"					
1BRS9	9'-1 1/2"	4'-7 15/16"	4'-5 9/16"	9/16"					
2BRS9	8'-8 3/16"	4'-5 13/16"	4'-3"	9/16"					
3BRS9	8'-4 1/2"	4'-3 3/8"	4'-1 1/8"	9/16"					
4BRS9	8'-2 1/2"	4'-2 7/16"	4'-0"	9/16"					
					A	3'-8 1/4"	1'-10 1/8"	1'-10 1/8"	9/16"



UNIVERSAL TOWER INC.

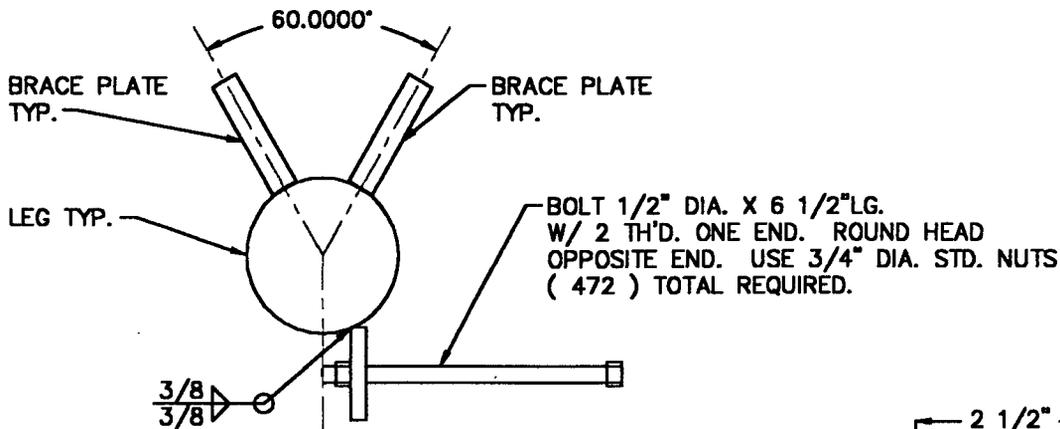
P.O. BOX 276
Henderson, Kentucky 42419-0276
Phone (502) 533-5151 FAX (502) 533-1479

K.A.C.
1/99

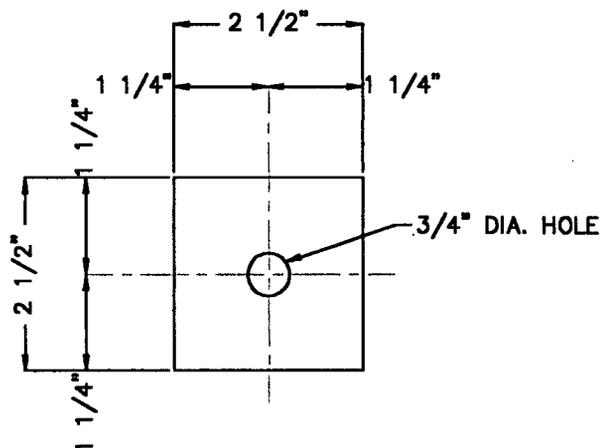
FOR: 300' SELF SUPPORTING TOWER
KENTUCKY CELLULAR
BETHANY, BREATHITT CO., KY.

JOB NO. 5141
SECTION WEIGHT: X
FILE NAME: 141A1

SHT. NO.
23



TYPICAL PLAN VIEW OF STEPS

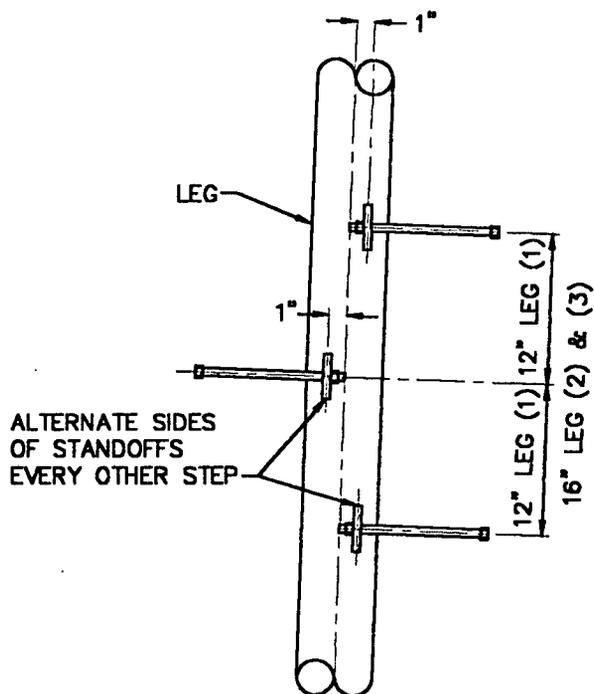


TYPICAL STEP STAND-OFF DETAIL

(300) TOTAL REQUIRED LEG-1

(63) TOTAL REQUIRED LEG-2

(63) TOTAL REQUIRED LEG-3

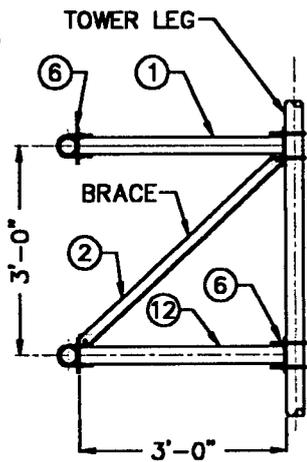


TYPICAL ELEVATION VIEW OF STEPS

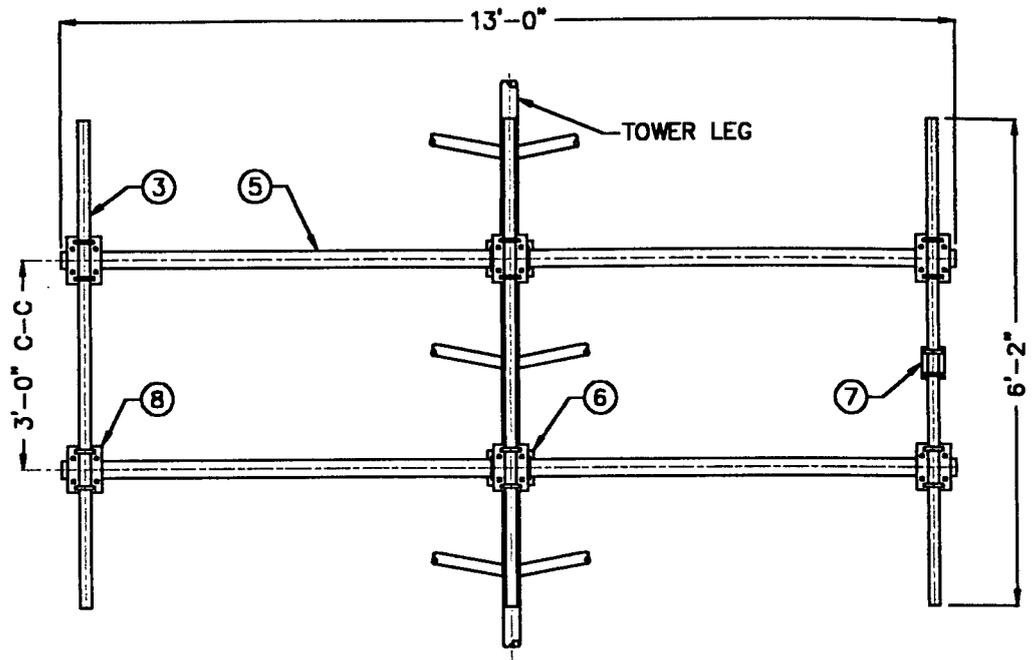
NOTES:

1. START STEPS ON LEG ONE AT 1'-0" ABOVE TOP OF FDN.
2. START STEPS ON LEG TWO AND THREE AT 10'-0" ABOVE TOP OF FOUNDATION AND STOP AT ELEVATION 120'-0". STEPS ON LEG TWO AND THREE FOR ERECTION PURPOSES ONLY.
3. PROVIDE CABLE TYPE SAFETY CLIMB ON LEG ONE.

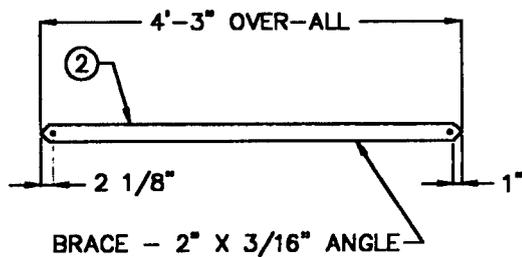
	UNIVERSAL TOWER INC. P.O. BOX 276 Henderson, Kentucky 42418-0276 Phone (502) 533-5151 FAX (502) 533-1479	
	FOR: 300' SELF SUPPORTING TOWER KENTUCKY CELLULAR BETHANY, BREATHITT CO., KY.	JOB NO. S141 SECTION WEIGHT: X FILE NAME: 141SBL



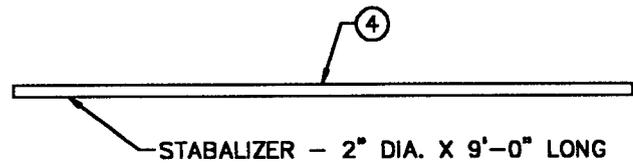
END VIEW



ELEVATION VIEW



BRACE DETAIL



STABILIZER-BAR DETAIL

SECTOR MOUNT

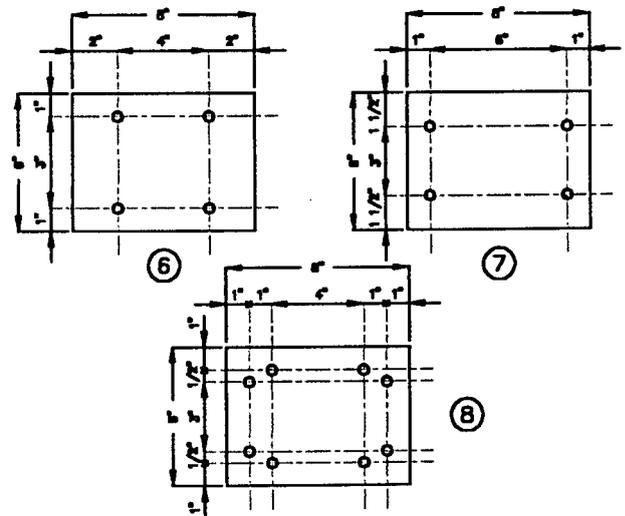


PLATE DETAILS

BILL OF MATERIAL FOR ONE (1) SECTOR MOUNT

PIECE MARK	QTY.	MATERIAL
1	1	3" SCH. 40 PIPE 3'-1 1/2" LENGTH
2	1	∠ 2" X 2" X 3/16" X 4'-3" LENGTH
3	3	2" SCH. 40 PIPE 6'-2" LENGTH
4	1	2" SCH. 40 PIPE 9'-0" LENGTH
5	2	3" SCH. 40 PIPE 13'-0" LENGTH
6	4	3/8" X 6" X 8" CLIP FOR 3" U-BOLTS
7	1	3/8" X 6" X 8" CLIP FOR 2" U-BOLTS
8	8	3/8" X 6" X 8" CLIP FOR 2" & 3" U-BOLTS
9	24	3" U-BOLTS W/ 2 NUTS, 2 F.W., & 2 L.W.
10	18	2" U-BOLTS W/ 2 NUTS, 2 F.W., & 2 L.W.
11	2	1/2" X 1 1/2" A325 BOLTS W/NUT F.W., & L.W.
12	1	3" SCH. 40 PIPE 3'-0" LENGTH
		7/8" DIA. STD. WASHER

UNIVERSAL TOWER INC.

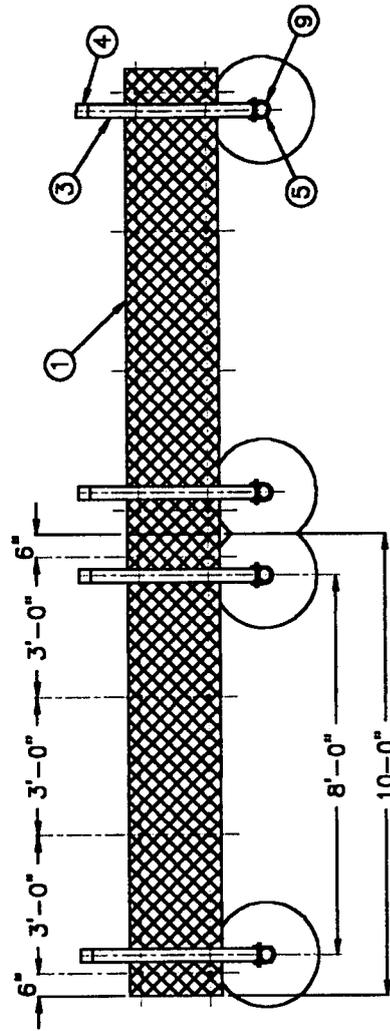
P.O. BOX 276
Henderson, Kentucky 42419-0276
Phone (502) 533-5151 FAX (502) 533-1479

K.A.C. 1/99	FOR: 300' SELF SUPPORTING TOWER KENTUCKY CELLULAR BETHANY, BREATHITT CO., KY.
JOB NO. S141	SECTION WEIGHT: X
FILE NAME: 141emnt	SHT. NO. 26

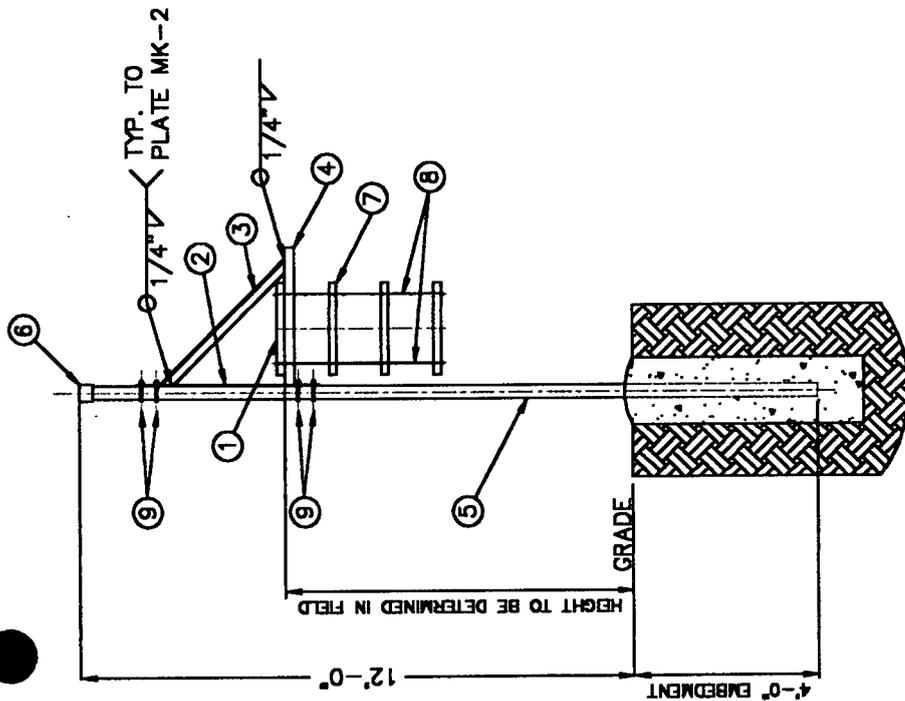
BILL OF MATERIAL (FOR ONE (1) SECTION)

PIECE MARK	QTY.	MATERIAL	LENGTH
1	1	UNISTRUT - 24" WIDE X 10'-0" LONG	---
2	2	PL. 3/8" X 6" WIDE	4'-0"
3	2	∠ 2 1/2" X 2 1/2" X 1/4"	3'-10 1/8"
4	2	∠ 2 1/2" X 2 1/2" X 1/4"	2'-11 3/4"
5	2	3 1/2" O.D. STD. PIPE (SCH. 40)	18'-0"
6	2	3 1/2" O.D. PIPE CAP (ALUMINUM)	---
7	12	∠ 2" X 2" X 1/8"	1'-11"
8	8	3/8" DIA. ALL THR'D. ROD (A325)	3'-0"
9	8	1/2" DIA. X 3 1/2" A325 U-BOLT W/ WASHER, LOCK WASHER & NUT	---

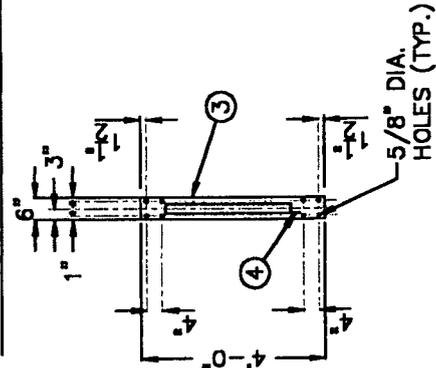
* CUT 45 DEGREES BOTH ENDS



PLAN VIEW OF BRIDGE



ELEVATION VIEW OF BRIDGE



DETAIL PL. 2

NOTES:

1. ALL PARTS TO BE HOT-DIPPED GALVANIZED.
2. POSITION TRAPEZE ON 3'-0" CENTERS HORIZONTALLY. VERTICAL SPACING TO BE PER CUSTOMER REQUIREMENTS.
3. SLOPE TOP OF CONCRETE TO ALLOW WATER TO DRAIN AWAY FROM PIPE.

SHIP ADDITIONAL:

(64) 3/8" DIA. NUTS FLAT WASHERS & LOCK WASHERS FOR TRAPEZE.

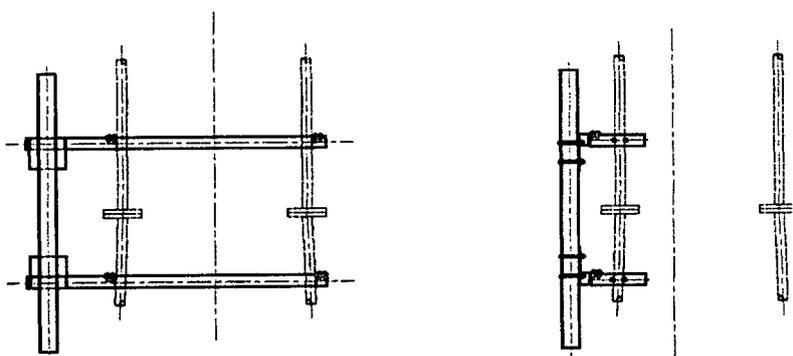
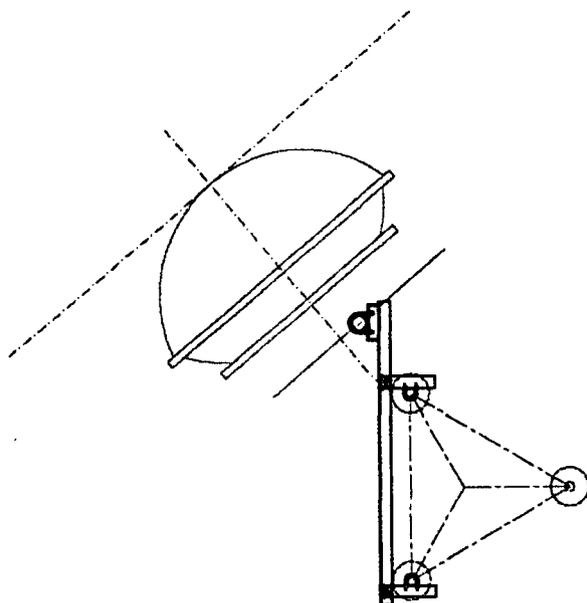


UNIVERSAL TOWER INC.

P.O. BOX 278
Henderson, Kentucky 42419-0278
Phone (502) 533-5151 FAX (502) 533-1478

FOR: 300' SELF SUPPORTING TOWER
KENTUCKY CELLULAR
BETHANY, BREATHTH CO., KY.

K.A.C.
1/89
JOB NO. S141
SECTION WEIGHT: X
FILE NAME: 141BRG
SHT. NO. 27



6' DISH MOUNT



UNIVERSAL TOWER INC.

P.O. BOX 276
 Henderson, Kentucky 42419-0276
 Phone (502) 533-5151 FAX (502) 533-1479

BY	K.A.C.
DATE	1/89

FOR: 300' SELF SUPPORTING TOWER
 KENTUCKY CELLULAR
 BETHANY, BREATHITT CO., KY.

JOB NO. S141
 SECTION WEIGHT: X
 FILE NAME: 141DIS6FT

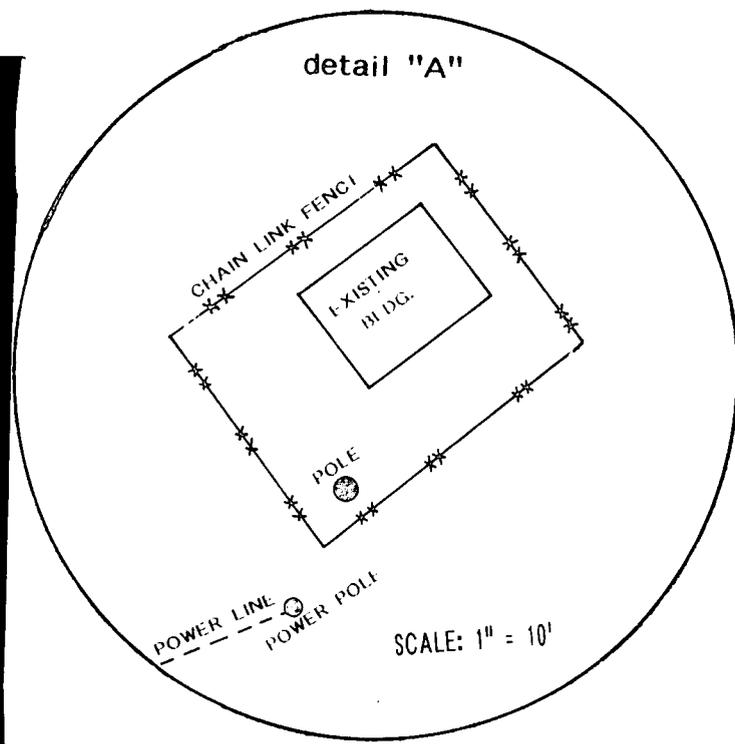
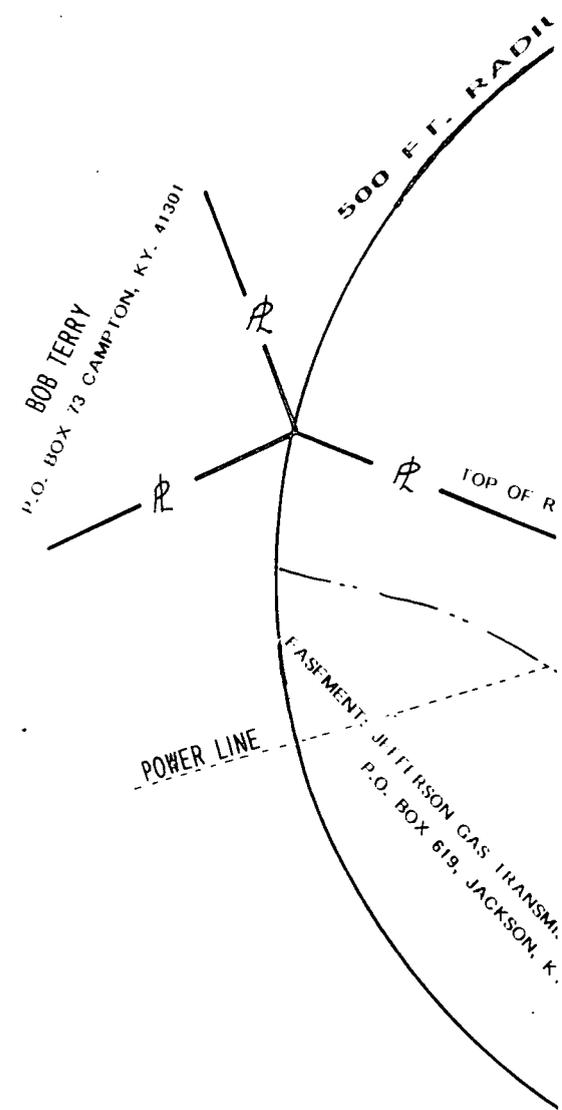
SHT. NO.
28

SITE DEVEL

MOUNTA



SCALE: 1" = 100'



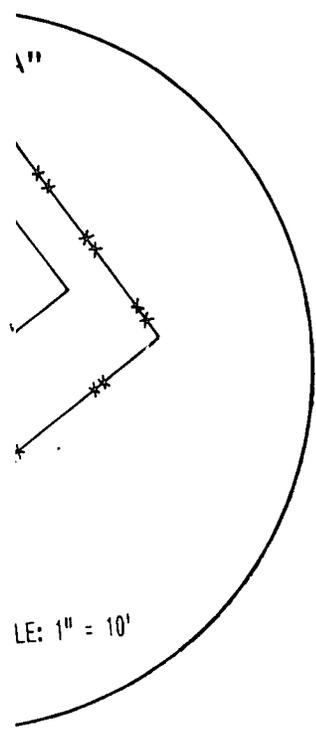
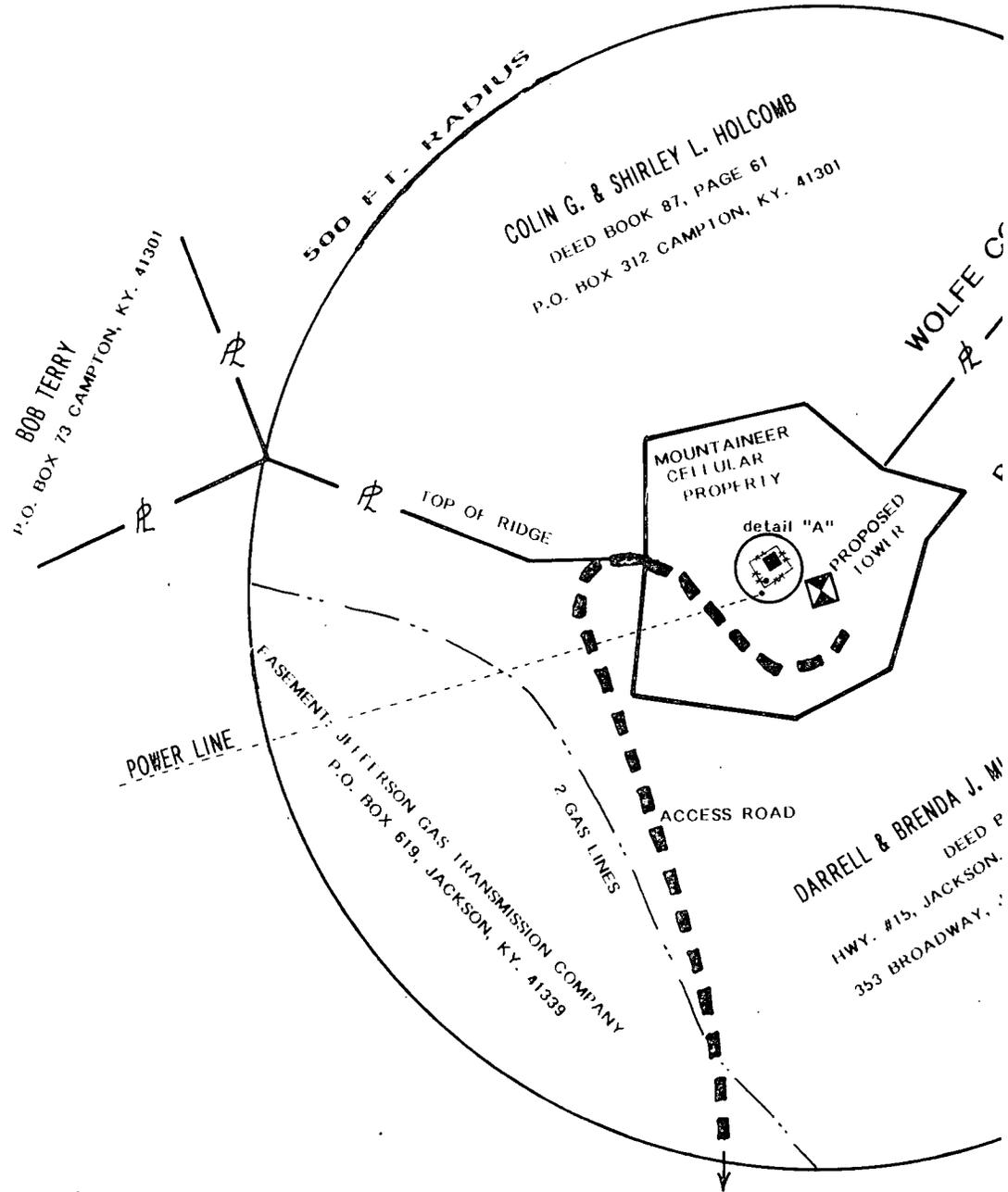
NOTE: THERE / OF THE REMAIN TOPOGRAPHIC & HIGHLIGHTED IN

SITE DEVELOPMENT PLAN

MOUNTAINEER CELLULAR



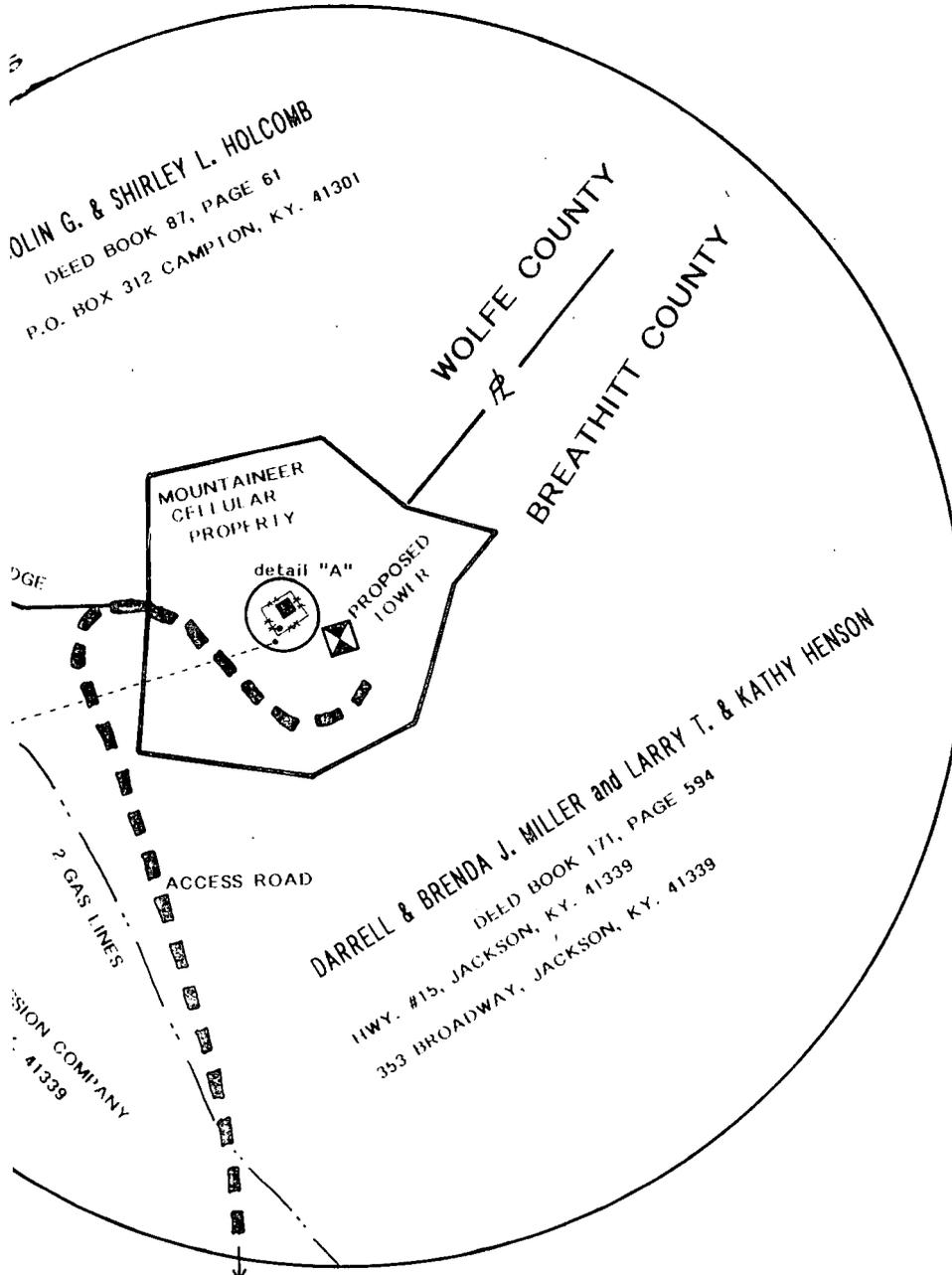
SCALE: 1" = 100'



NOTE: THERE ARE NO STRUCTURES OR OTHER PROPERTY OWNED BY THE REMAINING PORTION OF THIS PRIVATE ACCESS ROAD. SEE TOPOGRAPHIC MAP FOR THE REMAINING PORTION OF THE ACCESS ROAD HIGHLIGHTED IN YELLOW.

DEVELOPMENT PLAN

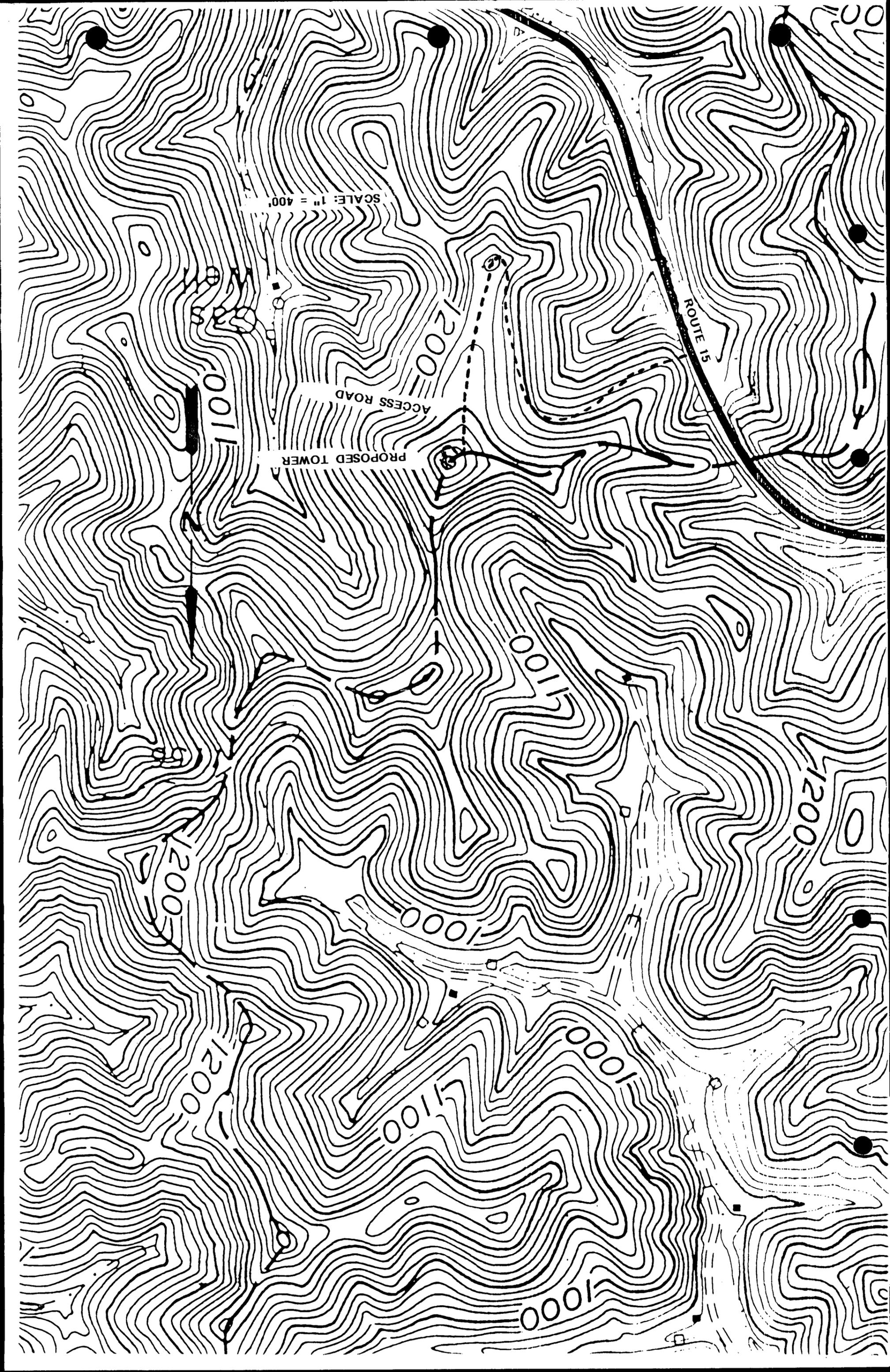
NEER CELLULAR



THERE ARE NO STRUCTURES OR OTHER PROPERTY OWNERS WITHIN 200 FEET OF THE PROPOSED TOWER. THE REMAINING PORTION OF THIS PRIVATE ACCESS ROAD. SEE THE FOLLOWING MAP FOR THE REMAINING PORTION OF THE ACCESS ROAD, WHICH IS SHOWN IN YELLOW.

Randall L. Coleman 3/5/99
 RANDALL L. COLEMAN P.E.# 13100





SCALE: 1" = 400'

ACCESS ROAD

PROPOSED TOWER

ROUTE 15

1200

1000

1000

1200

1200

1100

1000

1000

EXHIBIT G

LIST OF PROPERTY OWNERS WITHIN 500 FEET OF PROPOSED TOWER

Darrell & Brenda Miller
746 Lakeside Dr.
Jackson, KY 41339

Larry & Kathy Henson
128 Turnip Rd.
Jackson, Ky 41339

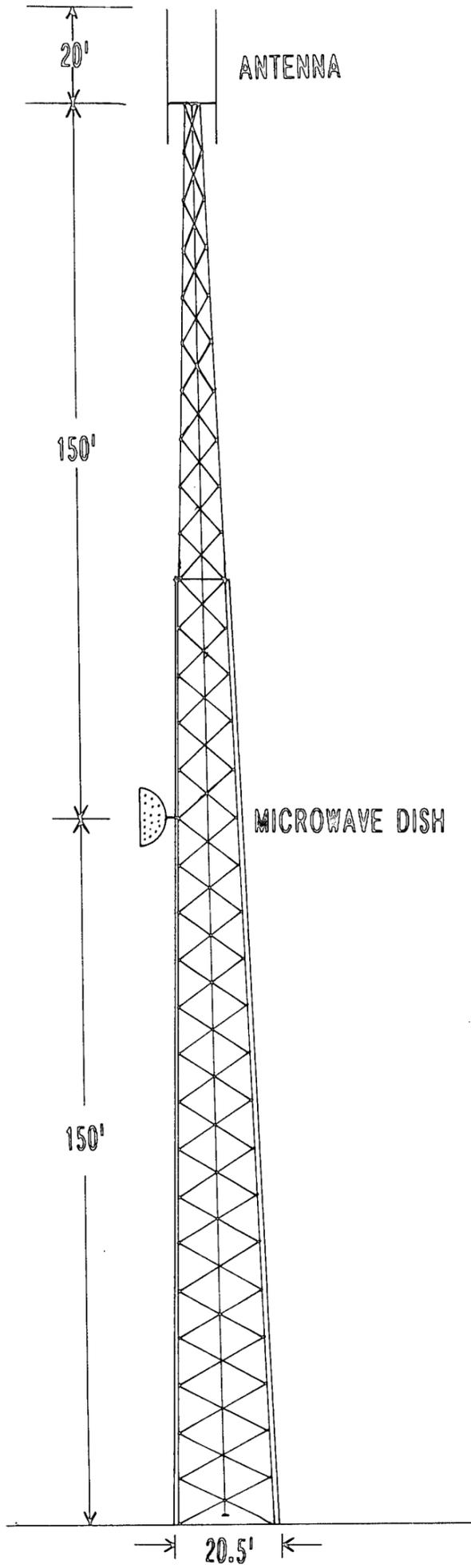
Colin & Shirley Halcomb
P.O. Box 312
Campton, Ky 41301

Bob Terry
P.O. Box 73
Campton, Ky 41301

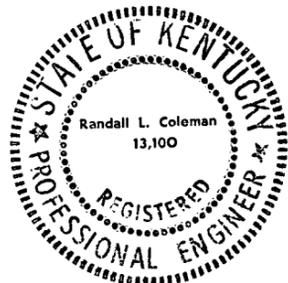
BETHANY TOWER

VERTICAL PROFILE SCETCH

MOUNTAINEER CELLULAR

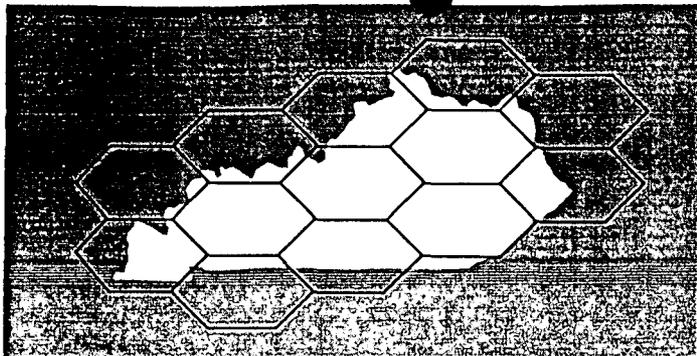


SCALE: 1" = 30'



Randall L. Coleman 3/5/99

RANDALL L. COLEMAN PE# 13100 DATE



Mountaineer Cellular
General Partnership

P. O. Box 1148 • Hindman, Kentucky 41822
Phone: (606) 785-9550

April 1, 1999

Darrell & Brenda Miller
746 Lakeside Dr.
Jackson, KY 41339

RE: Public Notice-Public Service Commission of Kentucky, Case No. 99-080

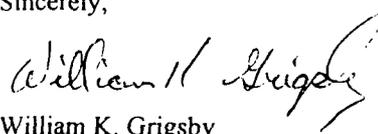
Dear Mr. & Mrs. Miller:

Mountaineer Cellular Limited Liability Company, dba Kentucky Cellular has applied to the Public Service Commission for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunication service. The facility will include a 300 foot tower, with attached antennas extending upward for a total height of 320 feet, and an equipment shelter to be located near Bethany, KY near the Breathitt/Wolfe County line. A map showing the location of the proposed new facility is enclosed. This notice is being sent pursuant of KRS 100.324.

The commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter as shown above.

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No. 99-080 in your correspondence.

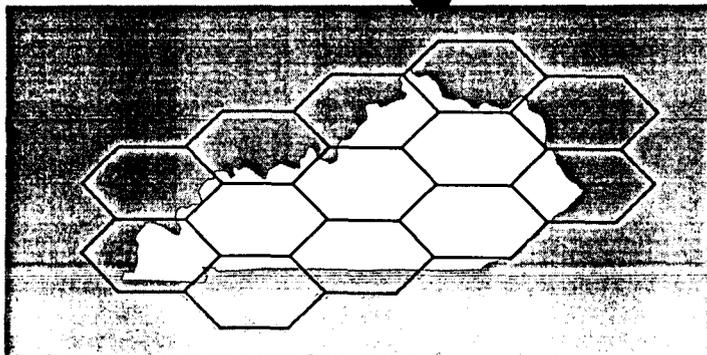
Sincerely,



William K. Grigsby
Manager

WKG/lw

Enclosure



Mountaineer Cellular
General Partnership

P. O. Box 1148 • Hindman, Kentucky 41822
Phone: (606) 785-9550

April 1, 1999

Larry & Kathy Henson
128 Turnip Rd.
Jackson, KY 41339

RE: Public Notice-Public Service Commission of Kentucky, Case No. 99-080

Dear Mr. & Mrs. Henson:

Mountaineer Cellular Limited Liability Company, dba Kentucky Cellular has applied to the Public Service Commission for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunication service. The facility will include a 300 foot tower, with attached antennas extending upward for a total height of 320 feet, and an equipment shelter to be located near Bethany, KY near the Breathitt/Wolfe County line. A map showing the location of the proposed new facility is enclosed. This notice is being sent pursuant of KRS 100.324.

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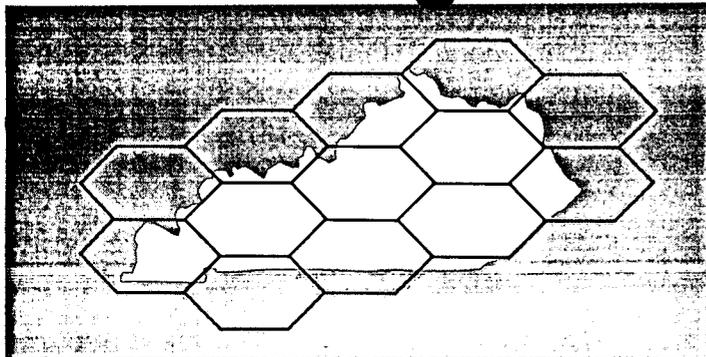
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Sincerely,

William K. Grigsby
Manager

WKG/lw

Enclosure



Mountaineer Cellular
General Partnership

P. O. Box 1148 • Hindman, Kentucky 41822

Phone: (606) 785-9550

April 1, 1999

Colin & Shirley Halcomb
P.O. Box 312
Campton, Ky 41301

RE: Public Notice-Public Service Commission of Kentucky, Case No. 99-080

Dear Mr. & Mrs. Halcomb:

Mountaineer Cellular Limited Liability Company, dba Kentucky Cellular has applied to the Public Service Commission for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunication service. The facility will include a 300 foot tower, with attached antennas extending upward for a total height of 320 feet, and an equipment shelter to be located near Bethany, KY near the Breathitt/Wolfe County line. A map showing the location of the proposed new facility is enclosed. This notice is being sent pursuant of KRS 100.324.

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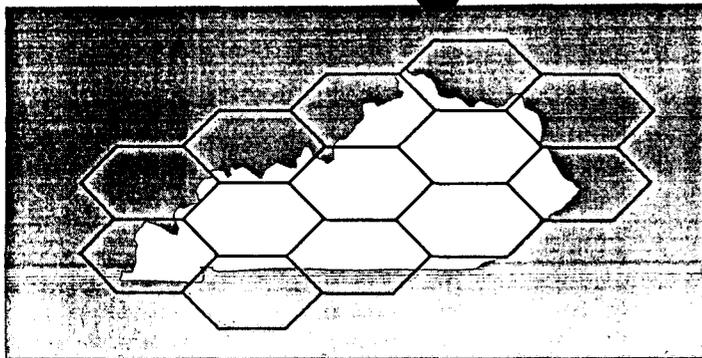
Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No. 99-080 in your correspondence.

Sincerely,

William K. Grigsby
Manager

WKG/lw

Enclosure



Mountaineer Cellular
General Partnership

P. O. Box 1148 • Hindman, Kentucky 41822
Phone: (606) 785-9550

April 1, 1999

Bob Terry
P.O. Box 73
Campton, Ky 41301

RE: Public Notice-Public Service Commission of Kentucky, Case No. 99-080

Dear Mr. Terry:

Mountaineer Cellular Limited Liability Company, dba Kentucky Cellular has applied to the Public Service Commission for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunication service. The facility will include a 300 foot tower, with attached antennas extending upward for a total height of 320 feet, and an equipment shelter to be located near Bethany, KY near the Breathitt/Wolfe County line. A map showing the location of the proposed new facility is enclosed. This notice is being sent pursuant of KRS 100.324.

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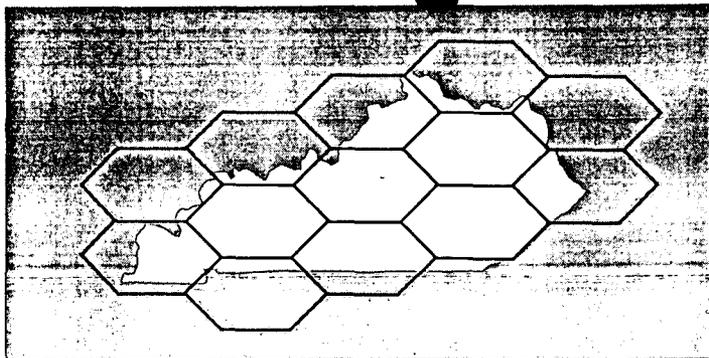
Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No. 99-080 in your correspondence.

Sincerely,

William K. Grigsby
Manager

WKG/lw

Enclosure



**Mountaineer Cellular
General Partnership**

P. O. Box 1148 • Hindman, Kentucky 41822
Phone: (606) 785-9550

April 1, 1999

County Judge Executive
Dr. Robert E. Cornett
1137 Main St.
Jackson, KY 41339

RE: Public Notice-Public Service Commission of Kentucky, Case No. 99-080

Dear Judge Cornett:

Mountaineer Cellular Limited Liability Company, dba Kentucky Cellular has applied to the Public Service Commission for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunication service. The facility will include a 300 foot tower, with attached antennas extending upward for a total height of 320 feet, and an equipment shelter to be located near Bethany, KY near the Breathitt/Wolfe County line. A map showing the location of the proposed new facility is enclosed. This notice is being sent pursuant of KRS 100.324.

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Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No. 99-080 in your correspondence.

Sincerely,

A handwritten signature in black ink, appearing to read "William K. Grigsby". The signature is written in a cursive style with a large, sweeping flourish at the end.

William K. Grigsby
Manager

WKG/lw

Enclosure

EXHIBIT K

Pursuant to KAR 5:001, Section 9(2):

Mountaineer Cellular Limited Liability Company will finance the subject construction with earned surplus in its General Fund.

Estimated Cost of Construction	\$92,000.00
Annual Operational Expense of Tower	\$11,900.00

DEED

This Deed of Conveyance, made and entered into this 25th day of April, 1998, by and between DARRELL MILLER and his wife, BRENDA J. MILLER, residents of 746 Lakeside Dr., Jackson, Kentucky 41339; and LARRY T. HENSON and his wife, KATHY HENSON, residents of 123 Turnip Rd., Jackson, Kentucky 41339, parties of the first part (hereinafter "Grantors"); and MOUNTAINEER CELLULAR GENERAL PARTNERSHIP, a Kentucky partnership having a mailing address of P. O. Box 1148, Hindman, Kentucky 41822, party of the second part (hereinafter "Grantee"),

WITNESSETH:

That said Grantors, for and in consideration of the sum of FIVE THOUSAND DOLLARS (\$5,000.00), of which Twenty-five Dollars was previously paid under that certain Option Agreement dated November 6, 1997, the remainder being paid upon the execution hereof, the receipt and adequacy of all of which is hereby acknowledged, have bargained and sold and by these presents do hereby bargain, sell, grant and convey unto Grantee, its successors and assigns forever, a tract of land lying and being in Breathitt County, Kentucky, and more particularly described as follows:

Lying and being in the head of Frozen Creek and bounded as follows:

Beginning on a #4 rebar on top of a high knob in the head of Frozen Creek on the Wolfe, Breathitt County line, east of Route 15, Latitude is 37 39 04 and the Longitude is 83 26 20, and being a corner to Colin and Shirley Halcomb, witness a #4 rebar on the center of the ridge SW 10 42 05, 75.55 feet; thence with the county line and the Halcomb line along the center of the ridge NE 23 00 00, 61.48 feet to a #4 rebar; thence NE 40 32 45, 40.42 feet to a #4 rebar at the base of a twelve inch hickory; thence down the hill SE 73 41 11, 78.42 feet; thence around the side of the hill SW 40 32 45, 50.00 feet; thence SW 16 45 41, 112.04 feet; thence SW 62 42 27, 94.59 feet; thence NW 81 42 22, 142.97 feet; thence up the hill NE 05 26 10, 115.00 feet to a #4 rebar at the base of a thirty inch chestnut oak on top of the

ridge at the Halcomb line, witness a #4 rebar on the center of the ridge NW 89 46 25, 102.67 feet; thence with Halcomb's line and the center of the ridge SE 84 33 50, 69.64 feet to a #4 rebar; thence SE 86 31 00, 84.73 feet to the beginning, containing 0.75 acres.

SOURCE OF TITLE: Being a part of the same property conveyed to the Grantors by deed from Willie Dixon dated February 24, 1972 and recorded in Deed Book 122, page 469 in the Breathitt County Clerk's Office.

RIGHT OF WAY AND EASEMENT: For the consideration paid herein, Grantors further grant and convey to Grantee, its successors and assigns, a permanent right of way and easement across Grantors' adjacent properties for (i) the construction of a roadway for ingress to and egress from the above-described property, and (ii) the running of utility lines across said properties for connection with the Grantee's communications tower. The property affected by this easement is the same as that cited in the source of title above.

TO HAVE AND TO HOLD the same, together with the appurtenances thereunto belonging unto Grantee, its successors and assigns forever, with covenants of General Warranty.

IN TESTIMONY WHEREOF, witness the signatures of Grantors on this the day and year first above written.

GRANTORS:

5.00 TAPPd
8-6-98

Darrell Miller
DARRELL MILLER

Brenda J. Miller
BRENDA J. MILLER

Larry T. Henson
LARRY T. HENSON

Kathy Henson
KATHY HENSON

CERTIFICATE OF PARTIES

We, the undersigned Grantors and Grantee, do hereby certify, pursuant to KRS Chapter 382, that the above stated consideration in the amount of \$5,000.00 is the true, correct and full consideration paid for the property herein conveyed. We further certify our that falsification of the stated consideration or sale price of the property is a Class D felony, subject to one to five years imprisonment and fines up to \$10,000.00.

GRANTORS:

Darrell Miller
DARRELL MILLER

Brenda J. Miller
BRENDA J. MILLER

Larry T. Henson
LARRY T. HENSON

Kathy Henson
KATHY HENSON

GRANTEE:

MOUNTAINEER CELLULAR
GENERAL PARTNERSHIP

By: *William K. Grigsby*
WILLIAM K. GRIGSBY
Managing Partner

STATE OF KENTUCKY)
COUNTY OF Breathitt)SS

I hereby certify that the foregoing deed was produced to me and duly acknowledged before me by DARRELL MILLER and his wife, BRENDA J. MILLER, parties thereto, to be their act and deed, and that the foregoing Certificate of Parties was duly subscribed and sworn to before me by DARRELL MILLER and his wife, BRENDA J. MILLER, on this the 24 day of April, 1998.

Linda K. Coleman
Notary Public

My commission expires 10-8-2000.

STATE OF KENTUCKY)
COUNTY OF Breathitt)SS

I hereby certify that the foregoing deed was produced to me and duly acknowledged before me by LARRY T. HENSON and his wife, KATHY HENSON, parties thereto, to be their act and deed, and that the foregoing Certificate of Parties was duly subscribed and sworn to before me by LARRY T. HENSON and his wife, KATHY HENSON, on this the 24 day of April, 1998.

Linda K. Coleman
Notary Public

My commission expires 10-8-2000.

STATE OF KENTUCKY)
)SS
COUNTY OF KNOTT)

I hereby certify that the foregoing Certificate of Parties was duly subscribed and sworn to before me by William K. Grigsby, managing partner of Mountaineer Cellular General Partnership, on this the 27th day of April, 1998.

Donna Ann Howard
Notary Public

My commission expires 6/7/2001.

STATE OF KENTUCKY)
)SS
COUNTY OF BREATHITT)

I, TONY G. WATTS, Clerk of Breathitt County, do hereby certify that the foregoing instrument was on the 6th day of Aug., 1998, lodged in my office for record and that it, the foregoing, and this my certificate have been duly recorded in my said office in Deed Book 187, page 309.

Witness my hand on this the 6th day of Aug., 1998.

TONY G. WATTS, CLERK

By: Stella Robinson D.C.

This instrument prepared without examination of title by:

Robin J. Collins
ROBIN JOHNSON COLLINS
ATTORNEY AT LAW
P.O. BOX 176
LACKEY, KY 41643

RECEIVED
BREATHITT COUNTY CLERK
98 AUG 6 PM 2 06

AUG 06 1998
3:03 PM
WOLFE COUNTY CLERK
S. KENNETH LINDON

DEED

Skene Johnson

This Deed of Conveyance, made and entered into this 25th day of April, 1998, by and between COLIN K. HALCOMB and his wife, SHIRLEY L. HALCOMB, residents of P.O. Box 312, Campton, Kentucky 41301, parties of the first part (hereinafter "Grantors"), and MOUNTAINEER CELLULAR GENERAL PARTNERSHIP, a Kentucky partnership having a mailing address of P. O. Box 1148, Hindman, Kentucky 41822, party of the second part (hereinafter "Grantee"),

WITNESSETH:

That said Grantors, for and in consideration of the sum of TWO THOUSAND FIVE HUNDRED DOLLARS (\$2,500.00), of which Twenty-five Dollars was previously paid under that certain Option Agreement dated November 11, 1997, the remainder being paid upon the execution hereof, the receipt and adequacy of all of which is hereby acknowledged, have bargained and sold and by these presents do hereby bargain, sell, grant and convey unto Grantee, its successors and assigns forever, a tract of land lying and being in Wolfe County, Kentucky, and more particularly described as follows:

Lying and being in the head of Sewell Fork of Spring Branch and bounded as follows:

Beginning on a #4 rebar on top of a high knob in the head of Sewell Branch on the Wolfe, Breathitt County line, east of Route 15, Latitude is 37 39 04 and the Longitude is 83 26 20, and being a corner to Miller and Henson property, witness a #4 rebar on the center of the ridge SW 10 42 05, 75.55 feet; thence with the county line and the Miller and Henson line along the center of the ridge NW 86 31 00, 84.73 feet to a #4 rebar; thence NW 84 33 50, 69.64 feet to a #4 rebar at the base of a thirty inch diameter chestnut oak, witness a #4 rebar on the center of the ridge NW 89 46 25, 102.67 feet; thence leaving the ridge line and going down the hill NE 00 13 35, 100.00 feet; thence around the side of the hill NE 77 50 06, 143.18 feet; thence up the hill SE 49 27 15, 84.00 feet to a #4 rebar at the base of

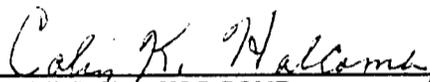
a twelve inch hickory on the top of the ridge and the county line and a corner to Miller and Henson; thence with the center of the ridge SW 40 32 45, 40.42 feet to a #4 rebar; thence SW 23 00 00, 61.48 feet to the beginning, containing 0.5 acres.

SOURCE OF TITLE: Being a part of the same property conveyed to the Grantors by deed from William Sewell and Connie Sewell dated April 20, 1991 and recorded in Deed Book 87, page 61 in the Wolfe County Clerk's Office.

TO HAVE AND TO HOLD the same, together with the appurtenances thereunto belonging unto Grantee, its successors and assigns forever, with covenants of General Warranty.

IN TESTIMONY WHEREOF, witness the signatures of Grantors on this the day and year first above written.

GRANTORS:

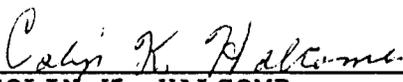

COLIN K. HALCOMB


SHIRLEY L. HALCOMB

CERTIFICATE OF PARTIES

We, the undersigned Grantors and Grantee, do hereby certify, pursuant to KRS Chapter 382, that the above stated consideration in the amount of \$2,500.00 is the true, correct and full consideration paid for the property herein conveyed. We further certify our that falsification of the stated consideration or sale price of the property is a Class D felony, subject to one to five years imprisonment and fines up to \$10,000.00.

GRANTORS:


COLIN K. HALCOMB


SHIRLEY L. HALCOMB

GRANTEE:

MOUNTAINEER CELLULAR
GENERAL PARTNERSHIP

By: William K. Grigsby
WILLIAM K. GRIGSBY
Managing Partner

STATE OF KENTUCKY)
COUNTY OF Wolfe)SS

I hereby certify that the foregoing deed was produced to me and duly acknowledged before me by COLIN K. HALCOMB and his wife, SHIRLEY L. HALCOMB, parties thereto, to be their act and deed, and that the foregoing Certificate of Parties was duly subscribed and sworn to before me by COLIN K. HALCOMB and his wife, SHIRLEY L. HALCOMB, on this the 24 day of April, 1998.

Linda K. Coleman
Notary Public

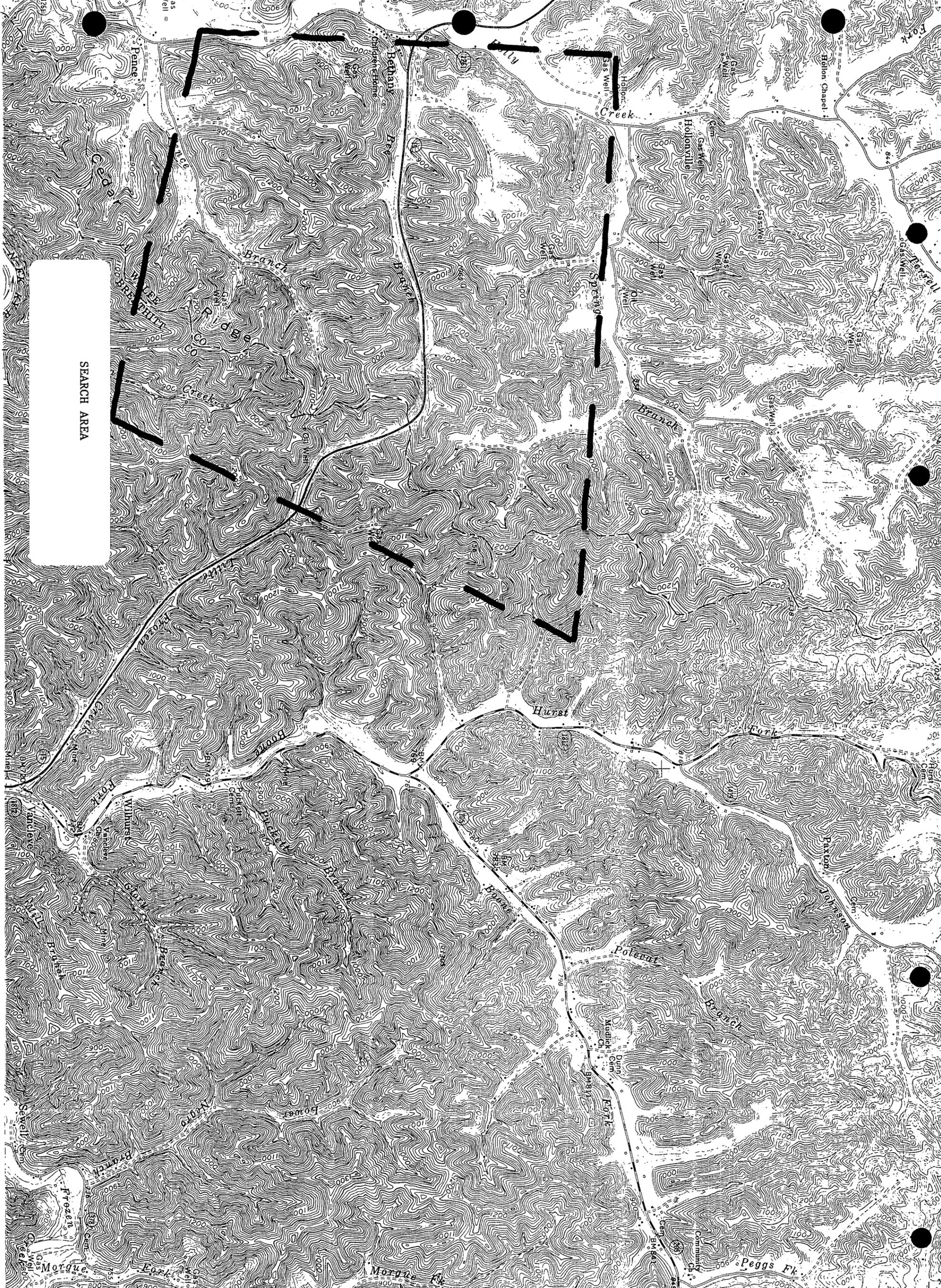
My commission expires 10-8-2000.

STATE OF KENTUCKY)
COUNTY OF KNOTT)SS

I hereby certify that the foregoing Certificate of Parties was duly subscribed and sworn to before me by William K. Grigsby, managing partner of Mountaineer Cellular General Partnership, on this the 27th day of April, 1998.

Susan Hall Howard
Notary Public

My commission expires 6/7/2001.



SEARCH AREA

4169 4170 4171 4172 4173
41690000 N
TAULBEE 3 MI.
37° 37' 30"

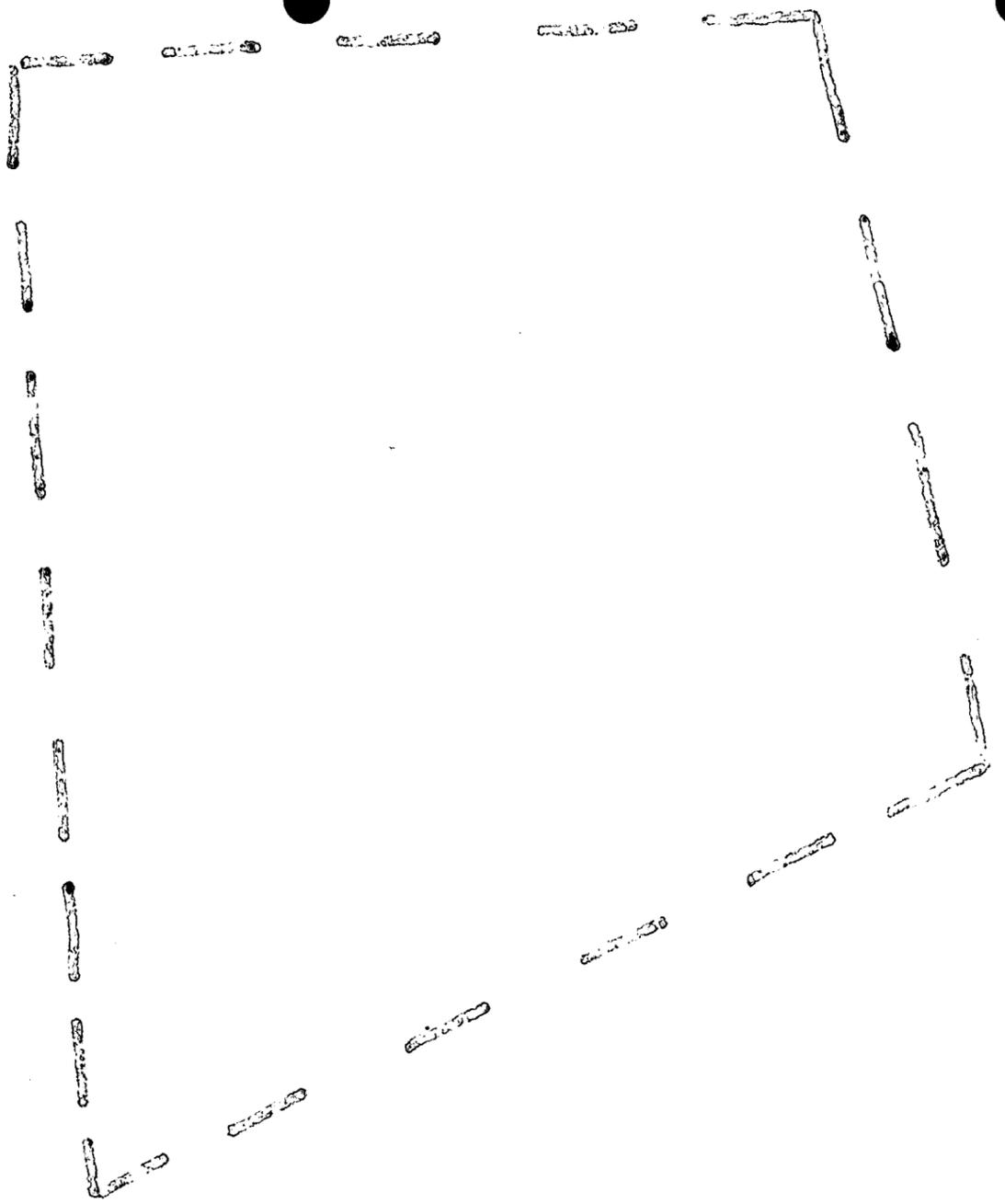


EXHIBIT N

PUBLIC NOTICE

Notice is hereby given that Mountaineer Cellular Limited Liability Company, dba Kentucky Cellular has applied to the Kentucky Public Service Commission to construct a 300' self-supporting tower 2.1 miles Northwest of Vanleve, KY. The exact location is 37° 30' 13" and 84° 06' 48". Any comments can be directed to the Executive Director of the Public Service Commission, 730 Schenkel Lane, Box 615, Frankfort, KY 40602. Please refer to Case No. 99-080

NOTICE OF INTENT TO FILE A CELL SITE APPLICATION

RECEIVED

MAR 11 1999

PUBLIC SERVICE
COMMISSION

March 8, 1999

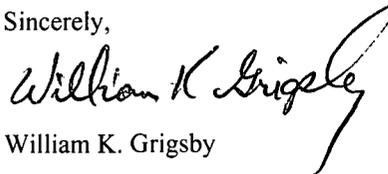
Stephanie Bell
Secretary of the Commission
Kentucky Public Service Commission
P.O. Box 615
730 Schenkel Lane
Frankfort, KY 40601

RE: Case Number 99-080

Dear Ms. Bell:

This letter is to confirm my request for a case number on March 8, 1999. The application is on behalf of Mountaineer Cellular Limited Liability Company, for a cell site located at Bethany in Jackson, Kentucky. I was given Case Number 99-080. We intend to file the application no later than April 9, 1999, and we understand that the case number assigned to us in this matter may be reassigned if we have not submitted an application by this date. If there are any questions, you may contact William Grigsby at 606-785-9550. I thank you for your attention in this matter.

Sincerely,



William K. Grigsby

WKG/lw